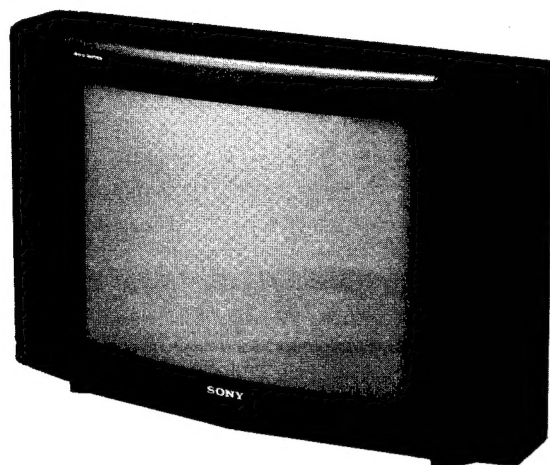


KV-C25TD

RM-673

SERVICE MANUAL

AEP Model
Australian Model
Chassis No. SCC-B14Q-A



AE-1 CHASSIS

Note: The service manual for RM-673 has been issued separately.

MODELS OF THE SAME SERIES

KV-C25TD (AEP, AUS)	KV-DX21TD (AEP)
KV-C27TD (AEP, AUS)	KV-X25TD (AEP)
KV-DX27TD (AEP)	KV-X21TD (AEP)

SPECIFICATIONS

Television system	CCIR B, G and H
Color system	PAL, SECAM, NTSC _{3.58} , NTSC _{4.43}
Stereo system	German two carrier system
Channel coverage	(AEP) VHF channels E2-E12 UHF channels E21-E69 Cable TV channels S01-S03 S1-S41 (a total of up to 30 preselected channels)
	(AUS) VHF channels 1-11 UHF channels 28-63
Picture tube	Trinitron tube 110° degree deflection Approx. 63.5cm (25 inches) (Approx. 64cm picture measured diagonally)
Inputs	21-pin connector: CENELEC standard
Outputs	Headphones jack: stereo minijack External speaker terminals: 2-pin DIN
Power consumption	96Wh
Dimensions	Approx. 765×507×470mm (w/h/d)
Weight	Approx. 37.5kg
Supplied accessories	RM-673 Remote Commander (1) IEC designation R6 batteries (2)
Sound output	10W+10W (music power)

Design and specifications are subject to change without notice.




TRINITRON® COLOR TV
SONY®

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>	<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL			5. DIAGRAM		
1-1.	First of All	3	5-1.	Block Diagram	19
1-2.	Connecting Other Equipment	3	5-2.	Circuit Boards Location	24
1-3.	Function of Controls	5	5-3.	Schematic Diagram (1)	25
1-4.	Viewing Teletext	7	5-4.	Printed Wiring Boards (1)	30
2. DISASSEMBLY				Schematic Diagram (2)	33
2-1.	Rear Cover Removal	8		Printed Wiring Boards (2)	37
2-2.	Chassis Assy Removal	8		Schematic Diagram (3)	41
2-3.	J, A and V Boards Removal	8		Printed Wiring Boards (3)	45
2-4.	KS and B Boards Removal	9		Schematic Diagram (4)	48
2-5.	Picture Tube Removal	9		Printed Wiring Boards (4)	49
2-6.	Service Position	10	5-5.	Semiconductors	51
3. SET-UP ADJUSTMENTS			6. EXPLODED VIEWS		
3-1.	Beam Landing	11	6-1.	Rear Cover	52
3-2.	Convergence	12	6-2.	Picture Tube	53
3-3.	Focus	14	7. ELECTRICAL PARTS LIST		54
3-4.	White Balance	15			
4. CIRCUIT ADJUSTMENTS					
4-1.	A Board Adjustments	16			
4-2.	B Board Adjustments	16			
4-3.	D Board Adjustments	17			
4-4.	J, Board Adjustments	18			
4-5.	V Board Adjustments	18			
4-6.	Sub Adjustments	18			


SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL


Note) The layout, etc., will be slightly different from the operating instructions packed with the units.

1-1. FIRST OF ALL



1 Connect the aerial to the  socket on the rear of the set.
This socket receives the standard 75-ohm aerial plug.

2 Plug in the set.

3 Preset the available channels.




Use the buttons inside the panel. To open the panel, push the  mark.

To tune in all channels automatically :



- 1 Press  (Preset)
- 2 Press PROGR to select the program position from which tuning is to start.
- 3 Press  (Auto programming).


Up to 29 receivable channels can be preset in numerical sequence beginning from program number 1.
When tuning has been completed, the set returns to program position 1.

To tune in a channel in any desired program position.
(e. g. to preset a channel in its corresponding program position : channel 1 in position 1) :

- 1 Press  (Preset).
- 2 Select the desired program position by using PROGR + or -.
- 3 Press C (Clear).
- 4 Press  (Search) repeatedly until the desired channel appears.
- 5 Press  (Preset) again.


To skip the unused program positions skipped (when using the PROGR + or - buttons to scan available channels.)

- 1 Press  (Preset).
- 2 Select an unused position by using PROGR + or -.
- 3 Press C (Clear).
- 4 Repeat steps 2 and 3 for all unused position.
- 5 Press  (Preset) again.

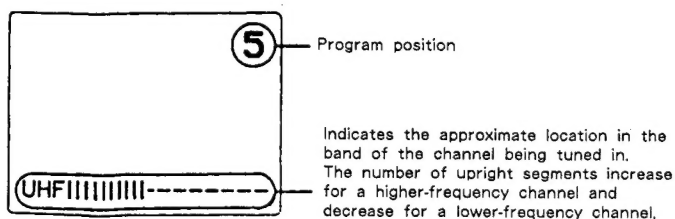
Move the VTR away from the TV, if the picture or sound is distorted. Only one of the VTRs should be turned on at one time. It is also possible to connect a VTR using the  socket.

Note

If the set is to be used in an area with poor reception preset the program numbers between 1 and 19 for TV program use.

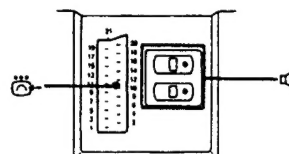
When watching a video with the VTR connected to the  connector, set the channel for the video to program number. 0 or any empty channel between 20 and 29.



On-screen display while tuning



1-2. CONNECTING OTHER EQUIPMENT

connectors on rear set



L/G/S	Left external speaker terminal (2-pin DIN)	Connect to external speakers. The TV speakers will be disconnected. Speakers 8-16 Ω.
	Right external speaker terminal (2-pin DIN)	
	21-pin connector (CENELEC standard)	Connect to a VTR micro computer, etc. using an optional connection cord. The picture of the TV channel being received is always output.

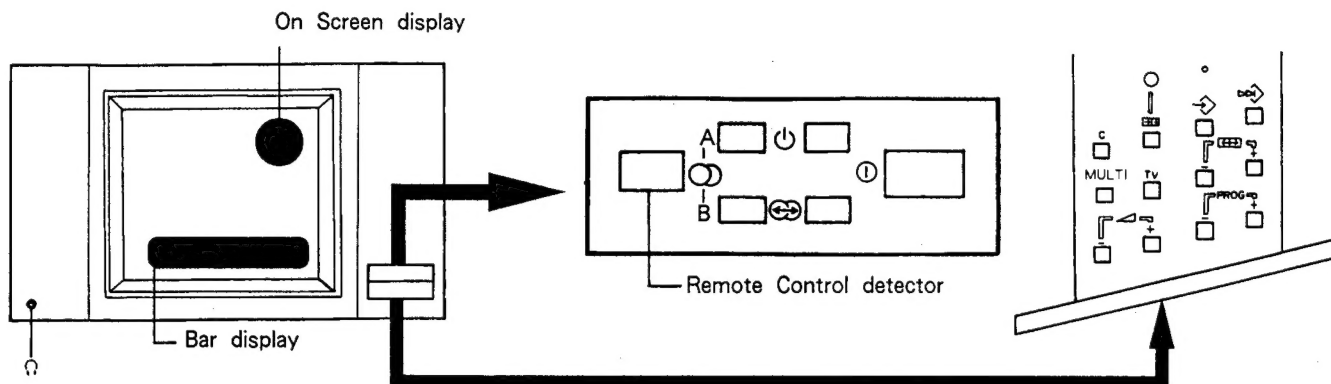
VTR operation using the supplied Commander. Remote operation of the VTR (8mm only) is limited to the features and functions of the VTR. For further details, refer to the VTR manual.

21 Pin Connector

Pin No	Signal	Signal level
1	Audio output B (right)	Standard level : 0.5 Vrms Output impedance : Less than 1 k ohm*
2	Audio input B (right)	Standard level : 0.5 Vrms Input impedance : More than 10 k ohms*
3	Audio output A (left)	Standard level : 0.5 Vrms Output impedance : Less than 1 k ohm*
4	Ground (audio)	
5	Ground	
6	Audio input A (left)	Standard level : 0.5 Vrms Input impedance : More than 10 k ohms*
7	Blue input	0.7 V \pm 2 dB, 75 ohms, positive
8	Function select (AV control)	High state (9.5–12 V) : Part mode Low state (0–2 V) : TV mode Input impedance : More than 10 k ohms Input capacitance : Less than 2 μ F
9	Ground (green)	
10	Open	
11	Green/Green with sync input	Green signal : 0.7 V \pm 2 dB, 75 ohms, positive Green with sync signal : 1 V \pm 2 dB, 75 ohms, positive
12	Open	
13	Ground (red)	
14	Ground (blanking)	
15	Red input	(Same as Pin 7)
16	Blanking input (Ys signal)	High state (1–3 V) Low state (0–0.4 V) Input impedance : 75 ohms
17	Ground (video output)	
18	Ground (video input)	
19	Video output	1 V \pm 2 dB, 75 ohms, positive Sync : 0.3 V (–3, \pm 10 dB)
20	Video input	1 V \pm 2 dB, 75 ohms, positive Sync : 0.3 V (–3, \pm 10 dB)
21	Common ground (plug, shield)	

* at 20 Hz–20 kHz

1-3. FUNCTION OF CONTROLS



On the set

On-screen display and button

Indicates program numbers and input modes ; 1, 2.
Press this button to make the display appear on the screen,
and again to make it disappear. See also "On the Remote
Commander."

Bar display

Indicates the level of the user controls when they are
adjusted.

① Power switch

To cut off the main electricity supply, press this switch.
Ensure correct operation by pressing this switch fully.

⏻ standby indicator**⊞ space sound indicator**

Lights up when ⊞ on the Remote Commander is pressed.

⊞/A, B stereo/bilingual indicator

Both indicators light up when a stereo program is received.
The A or B indicator lights up when a bilingual program is
received.

Remote control detector

Point the Remote Commander toward this detector.

Inside the panel

🎧 headphones jack (stereo minijack)**◆ PRESET button**

Press to preset the channels. Press again to memorize the
preset channel.

◆ Auto Programming button

Press to preset all the receivable channels automatically.

C Clear button

Press to restore the memory of all channels to the lowest
receivable frequency.

⊞ AFT button and indicator

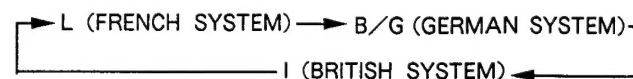
Normally press ⊞ so that the indicator lights up. The AFT
circuit automatically fine tunes the channels for the best
possible picture.

⊞ SEARCH buttons

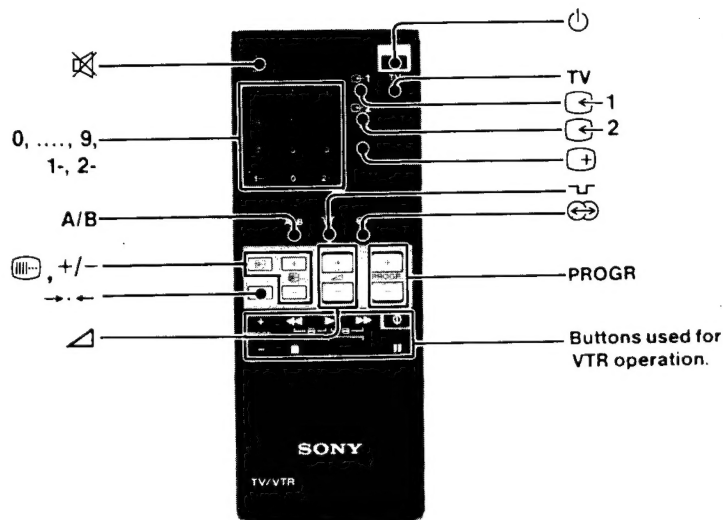
Press to fine tune a weak channel manually, if required.
When ⊞ is pressed, the ⊞ indicator (AFT) goes off and
the AFT circuit does not function on the selected channel.
To restore the AFT circuit on the channel, press ⊞ so that
the indicator lights up.

TV button

Press this button to change TV system.

**△ volume buttons****PROGR buttons****MULTI button**

Press when you see the video with NTSC 3.58 system input
from 1 or 2 (rear of the set) and broadcasts are seen
in black and white color (usually color system is selected
automatically).
The indication NTSC 3.58 will appear at the bottom of the
screen.



On the Remote Commander

To operate the Commander, point it toward the remote control detector.

mute button
Use to mute the sound.

0, ..., 9, 1-, 2- buttons
To select:
program 15, press 1- and 5
program 25, press 2- and 5

A/B bilingual button
Press to select channel A (usually the local language) or B (usually the original language) of a bilingual program. Both indicators light up if a stereo program is received.

picture and sound adjustment buttons
Press repeatedly until the on-screen display of the required adjustment appears. (● picture, ● color, ▲ hue, ☀ brightness, □ sharpness, ♫ bass, \$ treble, ▽ balance) Adjust by pressing + or - adjust to the button.

Notes
• When the volume is at the minimum setting, the balance function does not operate.

reset button
Press to reset picture, color, brightness, sharpness, bass, treble and balance to factory set levels.

standby button
Press to turn the set into the standby mode. Use facility to turn off the set for short periods of time. To return to TV mode, press TV or the program number on the Remote Commander; there will be a slight delay before the picture is restored. If the main power is turned off when in standby mode the indicator will take 2 to 6 seconds to go off.

TV button
Press to change to the TV mode from the standby or input or teletext modes.

1 input button
Press to view the input picture coming in through the 1 connector. "1" lights up on the screen. Press TV or the program number to return to the TV mode.

2 input button
Press to view the input picture coming in through the 2 connector. "2" lights up on the screen. Press TV or the program number to return to the TV mode.

on-screen display button.
Press to make the display appear on the screen. And again to make it disappear.

loudness button
Press to emphasize high and low notes.

space sound button
Press to obtain special acoustic effects.

volume buttons

PROGR buttons

Note
Buttons not referred to in the text of this manual do not operate.

1-4. VIEWING TELETEXT

To view the teletext service, use the Remote Commander. The buttons for teletext operation are indicated in green.

Operation

- 1 Select the TV channel for the desired teletext service.
When the signal is weak, teletext error may often occur.
- 2 Press / (TEXT / MIX) to display the teletext service.
Once / has been pressed, the TV channel cannot be changed.
- 3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three digit sequence by keying in any digit. Then re-enter the correct page number. The requested teletext page is displayed.

To return to the TV mode, press TV on the remote commander.

The teletext service can be displayed directly from the standby mode, by pressing / .

To receive the teletext service of a different TV channel.

- 1 Press TV to return to the TV mode.
- 2 Select the desired TV channel.
- 3 Press / .

Note

To receive the teletext service accurately, keep inside the panel switched on during teletext operation.

To display the index page.

Press (INDEX).

If the necessary signal is not being broadcast, page 100 is displayed.

To access the next or preceding page

press (PAGE+) or (PAGE-).

To superimpose the teletext display on the TV picture.

Press / twice from TV mode.

Press again to return to the TEXT display.

To suppress the teletext display so that the TV picture is displayed.

Press (TEXT CL).

This button can be operated from both the TEXT and MIX displays.

To prevent a teletext page (subpage) from being updated / changed.

Press (HOLD). The HOLD symbol appears at the top of the screen.



To resume normal teletext reception, press / .

To enlarge the teletext display.

Press .

Press once to enlarge the upper half of the display; press again to enlarge the lower half of the display. And press again to return to the normal display.

To reveal concealed information such as the answers to a quiz

Press (REVEAL)

Press again to conceal the answers.

To adjust the contrast of the teletext display.

When in teletext mode, adjust by using the + or - keys adjacent to the key.

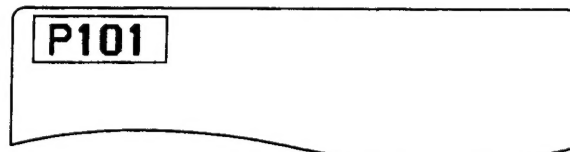
To watch the TV program while waiting for a requested page to be displayed.

1 Request new page.

2 Press to watch the TV program.

The requested page number appears at the top left of the screen.

When the requested page has been captured, the page number is displayed in the top left hand corner of the screen.



To view this page, press / .

To have a requested page displayed at a predetermined time.

1 Request a time coded page (e. g. alarm page).

2 Press (TP ON).

"T****" will appear at the bottom of the screen.



3 Enter your request time with the number buttons, using four digits. For example, 07 : 30.



To watch the TV program until the requested time, press .

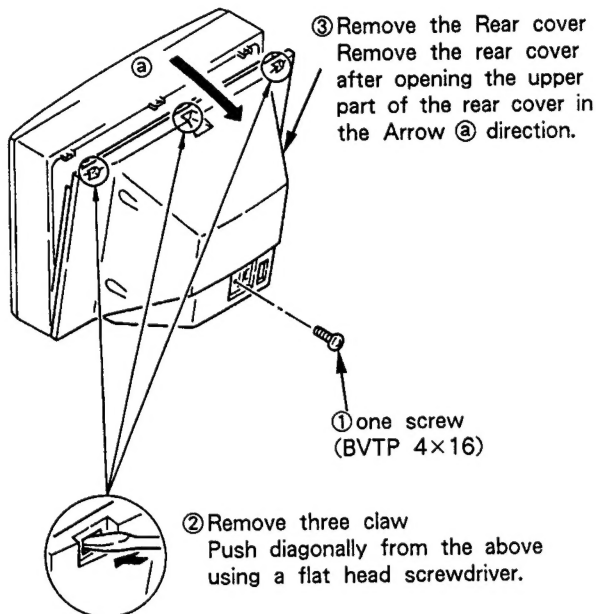
At the requested time, the page number will be displayed at the bottom of the screen.

To view this page, press / .

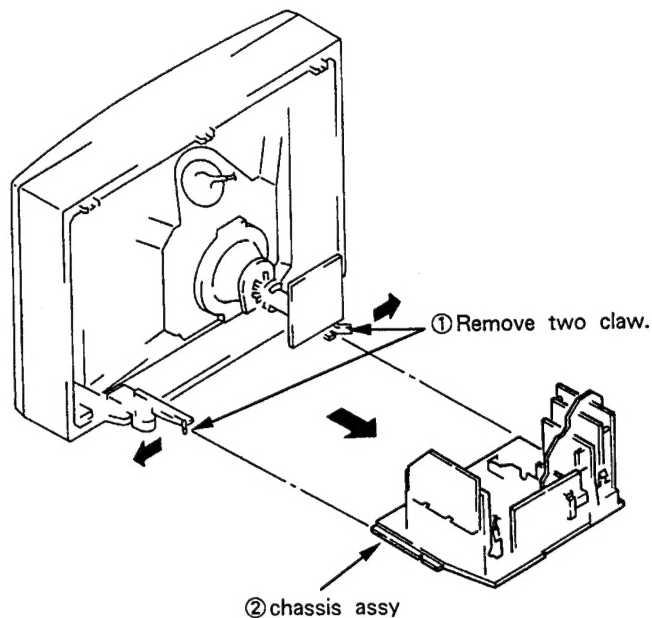
To cancel the request, first ensure that the teletext page is displayed, then press (TP OFF).

SECTION 2 DISASSEMBLY

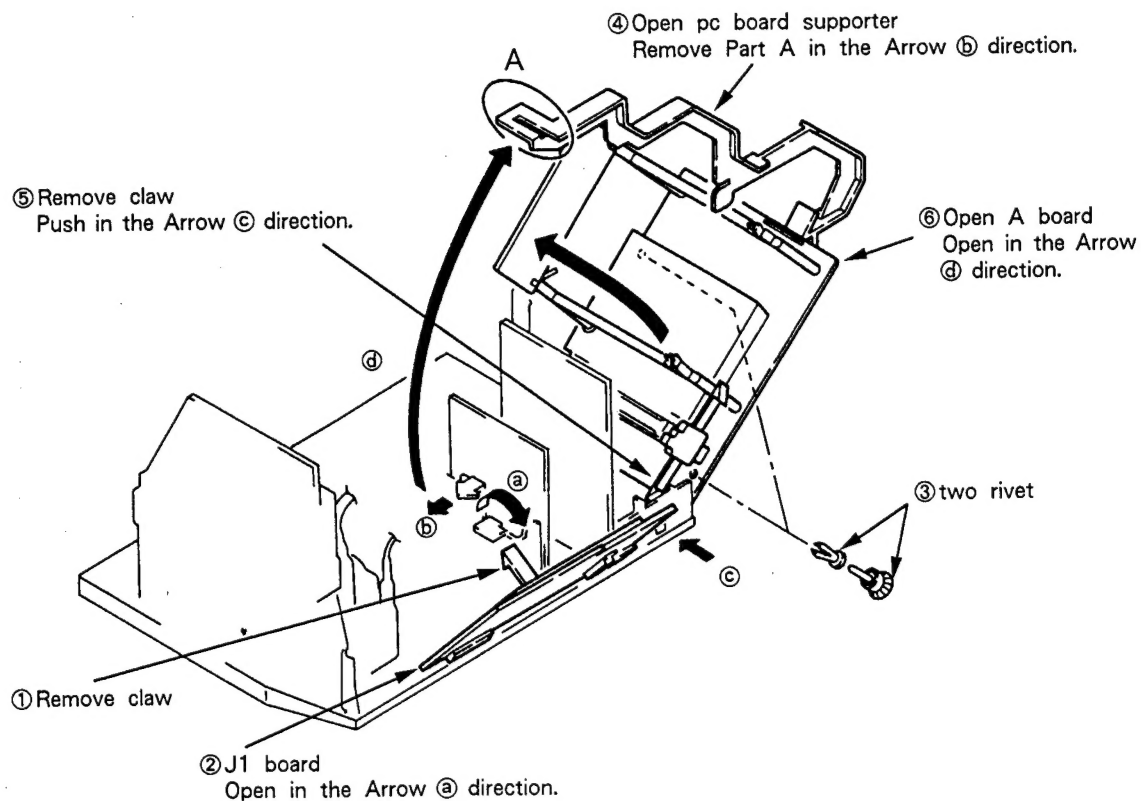
2-1. REAR COVER REMOVAL



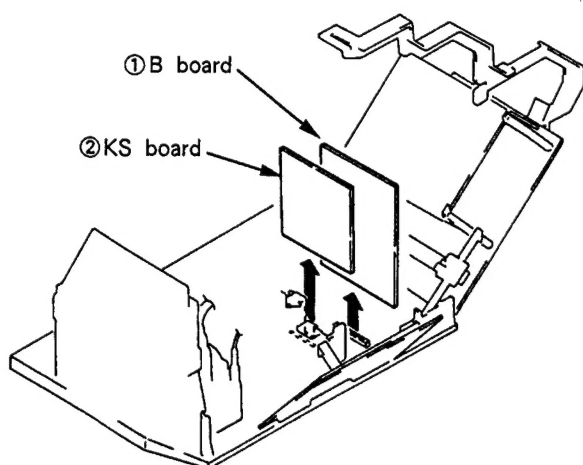
2-2. CHASSIS ASSY REMOVAL



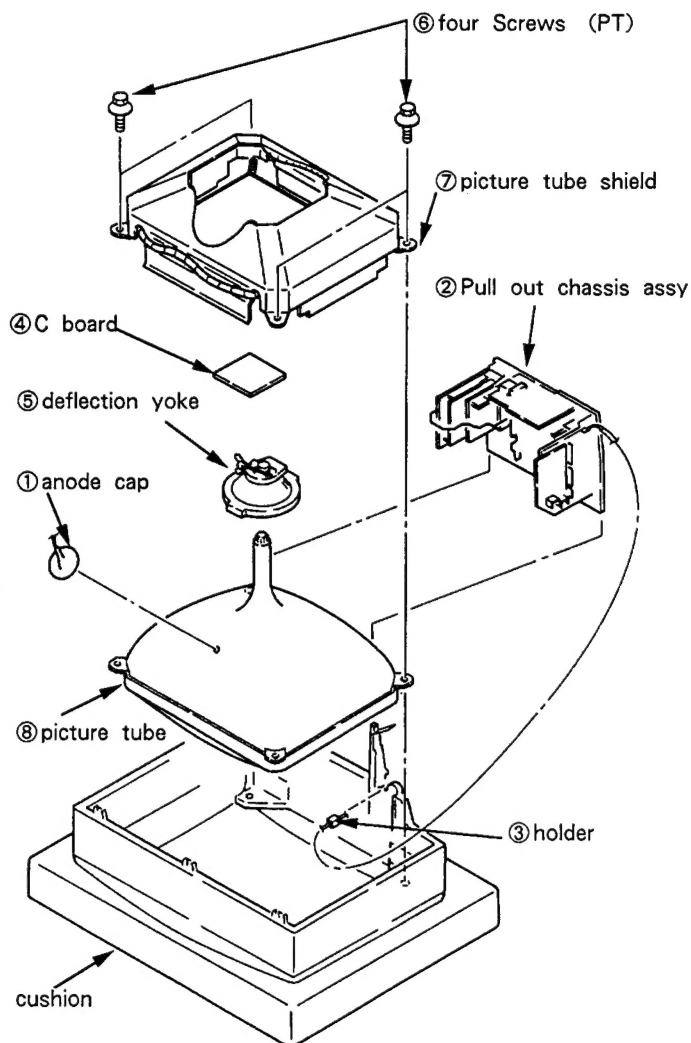
2-3. J, A AND V BOARDS REMOVAL



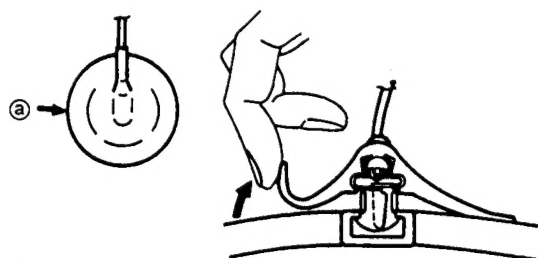
2-4. KS AND B BOARDS REMOVAL



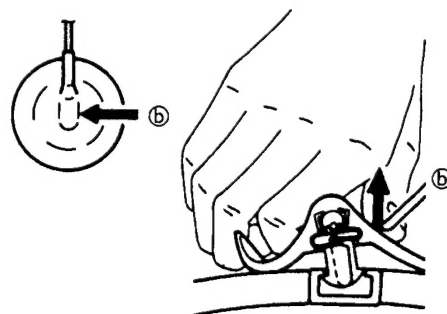
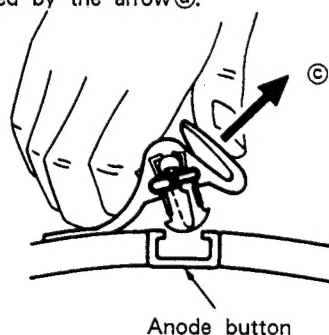
2-5. PICTURE TUBE REMOVAL



● Removing Procedures

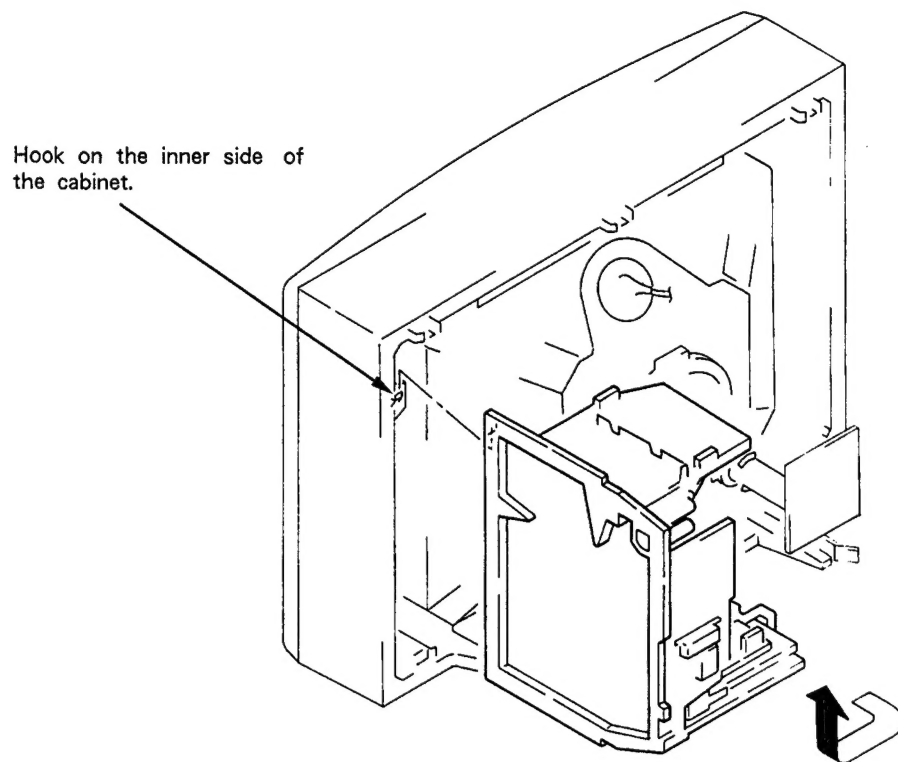


- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①.



- ② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow ②.
- ③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

2-6. SERVICE POSITION



SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

ⓘ CONTRAST control 80% (or Normal by Commander)

✱ BRIGHTNESS control 50%

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color Bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

Preparation

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.
 CONTRAST } normal
 BRIGHTNESS }
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-1 - 3-3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3-1)
5. Switch over the raster signal to blue and green and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corners is not right, adjust by using the magnet. (Fig. 3-4)

Fig.3-1

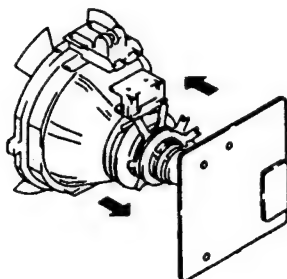


Fig.3-2

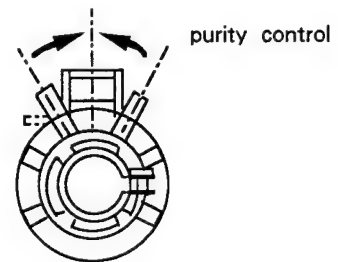


Fig.3-3

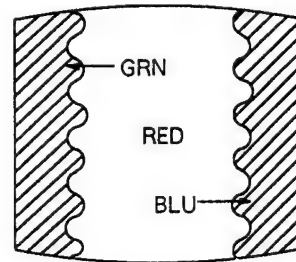
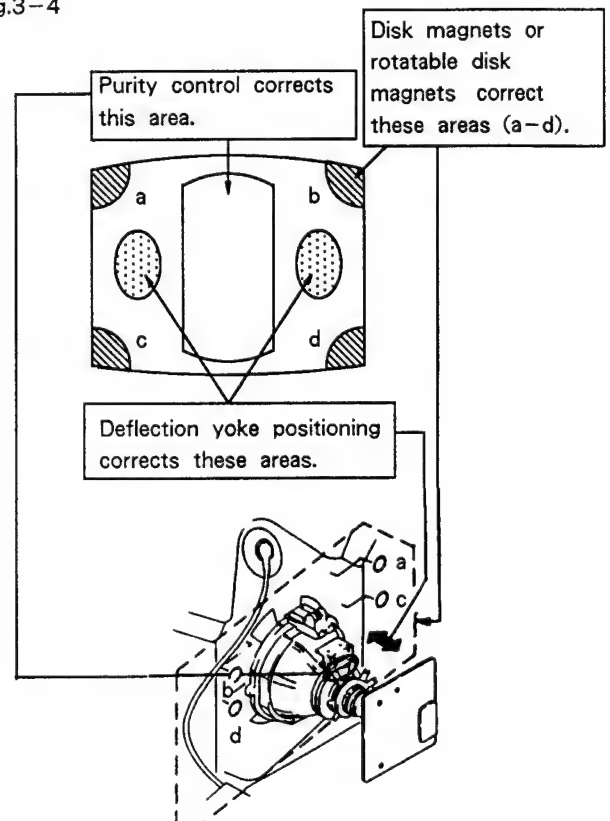


Fig.3-4

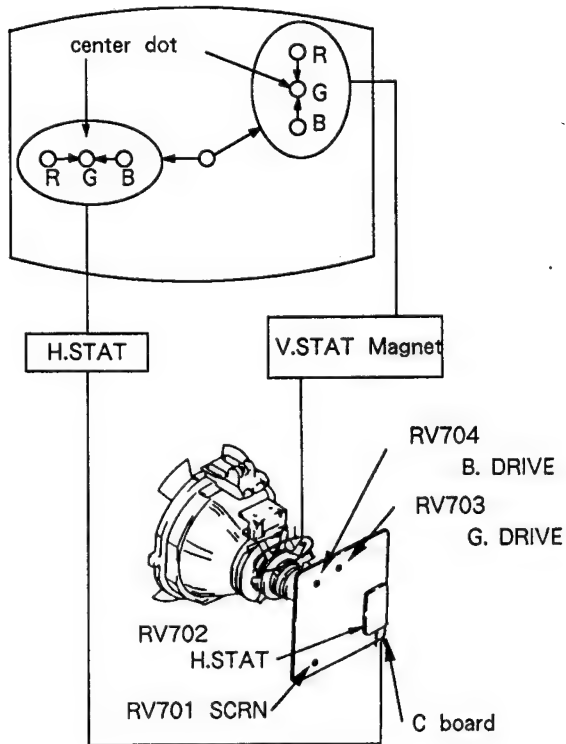


3-2. CONVERGENCE

Preparation :

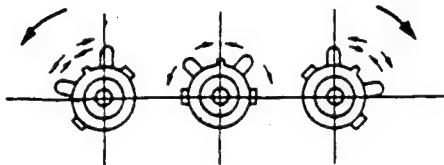
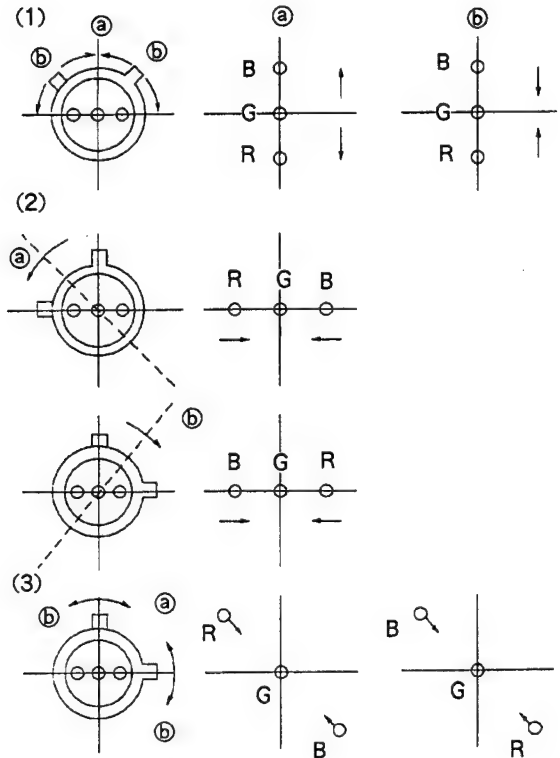
- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

(1) Horizontal and Vertical Static Convergence

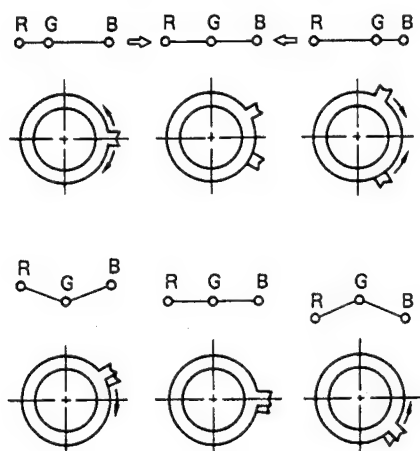


1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen.(Horizontal movement)
 2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen.(Vertical movement)
 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below.
(In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.

4. When the V. STAT magnet is moved in the direction of arrow ㉓ and ㉔, red, green and blue dots move as shown below.

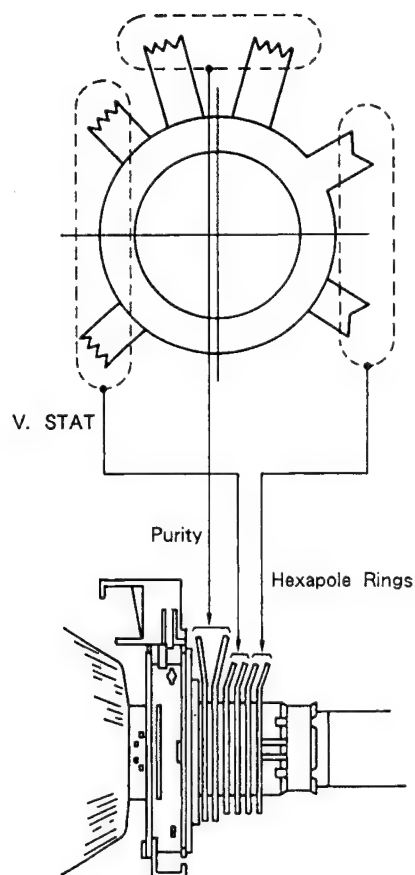


● Operation of Hexapole Ringed Magnet



- The respective dot operations resulting from the operation of each magnet are not completely independent, so be sure to perform adjustment while tracking.

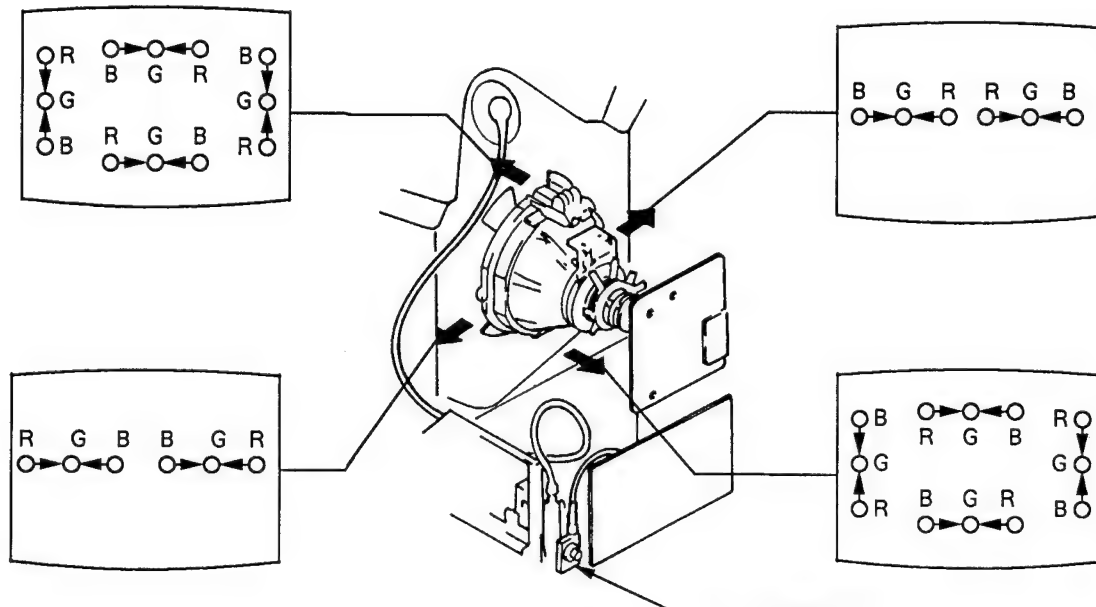
Use the H, STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).



(2) Dynamic Convergence Adjustment

Preparation :

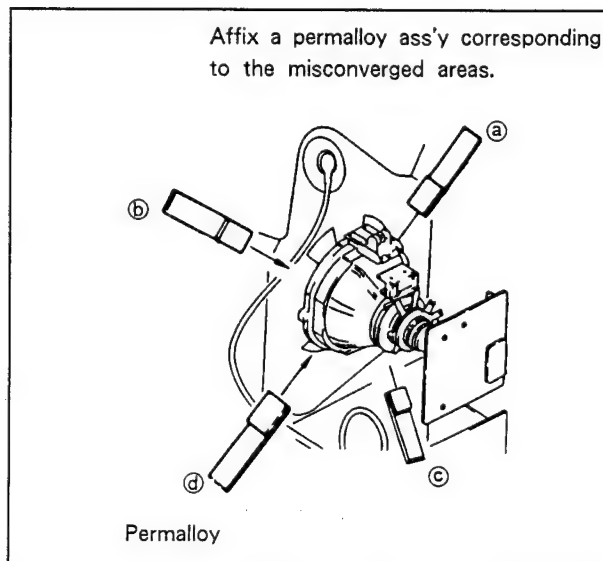
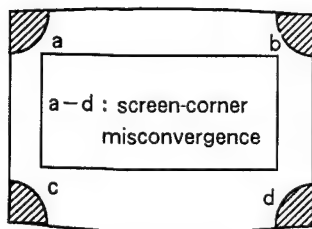
- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
1. Slightly loosen deflection yoke screw.
 2. Remove deflection yoke spacers.
 3. Move the deflection yoke for best convergence as shown below.
 4. Tighten the deflection yoke screw.
 5. Install the deflection yoke spacers.



3-3. FOCUS

Adjust FOCUS so that the whole screen is in best focus.

(3) Screen - corner Convergence



3-4. WHITE BALANCE

[Screen (G2) Setting]

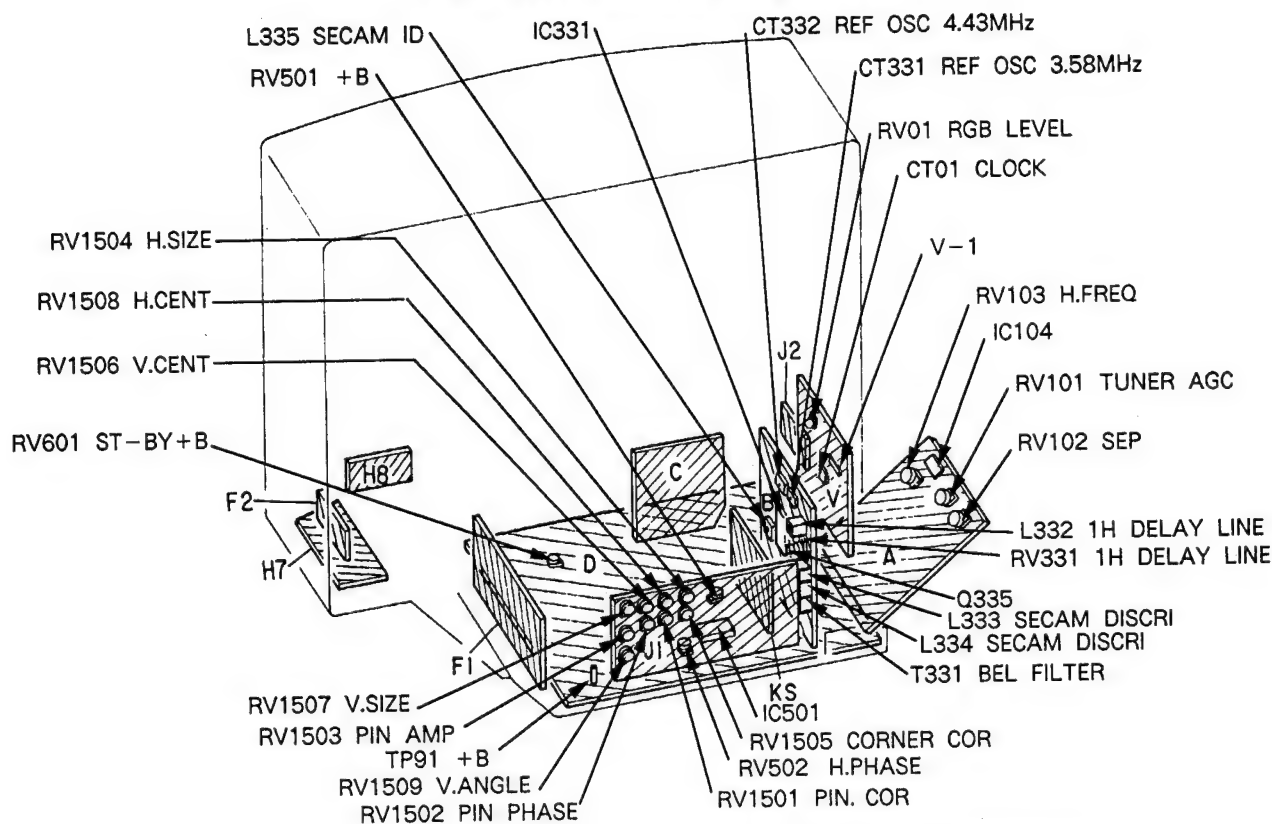
1. Input dot signals from the pattern generator.
2. Set the picture BRIGHTNESS control to the minimum level.
3. Apply 170 V dc to the cathodes of R, G, and B from an external power source.
4. While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.

[White Balance Adjustment]

1. Input all-white signals from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

SECTION 4 CIRCUIT ADJUSTMENTS



4-1. A BOARD ADJUSTMENTS

TUNER AGC Adjustment (RV101)

1. Tune in an off-air signal.
2. Adjust RV101 so that snow-noise and cross-modulation just disappear from the picture.

STEREO SEPARATION Adjustment (RV102)

1. Input stereo signals, (L-CH 1kHz, R-CH 400Hz)
2. Check the stereo indicator.
3. Connect an oscilloscope to pin ① (L) of CNA11 through band pass filter of 1kHz.
4. Adjust RV102 so that 1kHz voltage goes down to the minimum.

H. FREQ. Adjustment (RV103)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑫ of IC104 and ground.
3. Connect a frequency counter to pin ⑥ of IC104 through a probe of 10:1.
4. Adjust RV103 so that H. frequency becomes $15.625 \pm 50\text{Hz}$.

4-2. B BOARD ADJUSTMENTS

REF OSC NTSC 3.58 MHz (CT331)

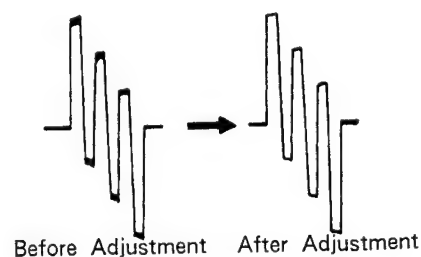
1. Input a NTSC 3.58MHz COLOR BAR pattern.
2. Short circuit between pin ⑮ of IC331 and ground.
3. Adjust CT331 to obtain color synchronization.
4. Remove the jumper wire from IC331.

REF OSC Adjustment NTSC 4.43 MHz (CT332)

1. Input a NTSC 4.43MHz COLOR BAR pattern.
2. Short circuit between pin ⑮ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

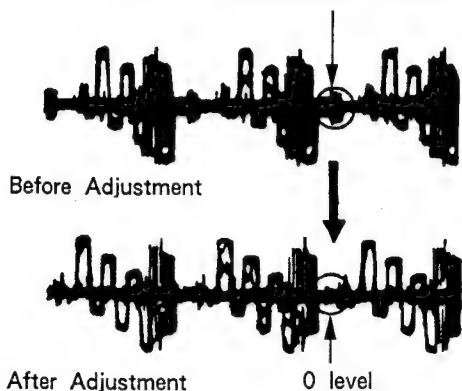
1H DELAY LINE Adjustment (L332, RV331)

1. Input a PAL COLOR BAR pattern.
2. Connect the oscilloscope to pin ③ (B-Y) of IC331 and observe the waveform of the H block on the oscilloscope.
3. Adjust L332 to minimize the double waveform outline.



4. Input a TEST COLOR BAR pattern.
5. Rotate the RV331 control and adjust till the ANT PAL of the waveform part matches the 0 level.

This part matches the 0 level.



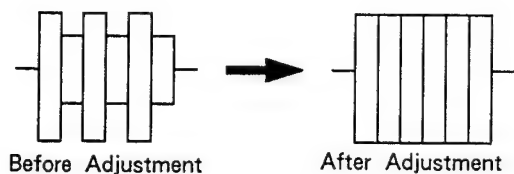
6. L332 and RV331 affect each other. Repeat till the conditions of both meet.

SECAM ID Adjustment (L335)

1. Input a SECAM COLOR BAR pattern.
2. Connect a Digital Multimeter at pin ② of IC331.
3. Adjust L335 so that the indicator goes up to the maximum.

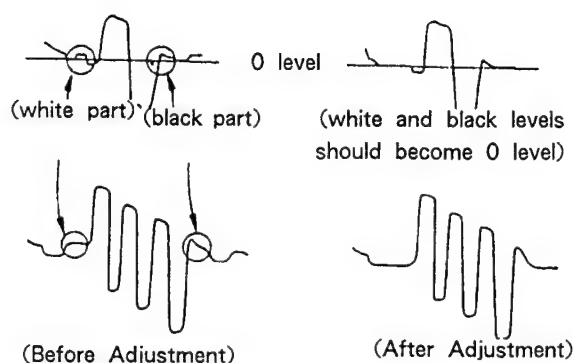
BELL FILTER Adjustment (T331)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q335 emitter.
3. Adjust T331 so that the waveform becomes flat.



SECAM DISCRI Adjustment (L333, L334)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC331.
3. Adjust L333 so that white and black parts of the waveform of pin ① becomes 0 level.
4. Connect an oscilloscope to pin ③ of IC331.
5. Adjust L334 so that white and black part of the waveform of pin ③ becomes 0 level.



4-3. D BOARD ADJUSTMENTS

+B Adjustment (RV501)

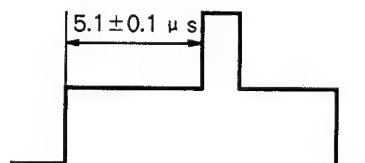
1. Connect a Digital Multimeter to TP91.
2. Adjust RV501 so that the voltage becomes 135 ± 0.2 V.

ST-BY +B Adjustment (RV601)

1. Set up ϕ standby (Remote Commander) mode.
2. Connect the Digital Multimeter to TP91.
3. Adjust RV601 so that the voltage becomes 135 ± 3 V.
4. Release the ϕ standby (Remote Commander) mode.

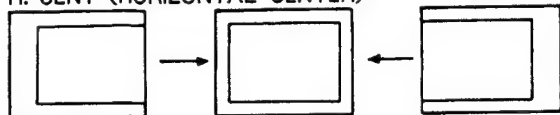
H. PHASE Adjustment (RV502)

1. Input a PAL TEST COLOR BAR pattern.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H. CENT) to the mechanical center position.
4. Connect an oscilloscope to pin ⑪ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block T to $5.1 \pm 0.1 \mu s$.

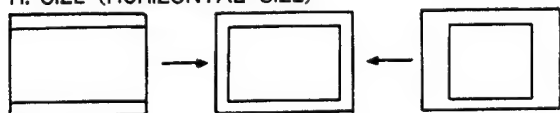


4-4. J, BOARD ADJUSTMENTS

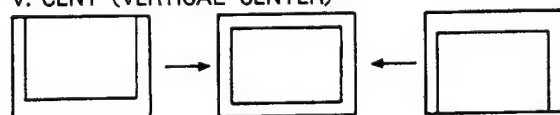
RV1508
H. CENT (HORIZONTAL CENTER)



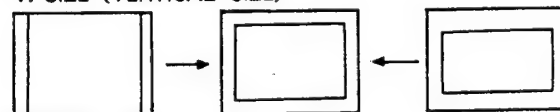
RV1504
H. SIZE (HORIZONTAL SIZE)



RV1506
V. CENT (VERTICAL CENTER)



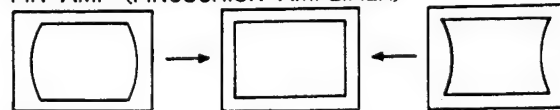
RV1507
V. SIZE (VERTICAL SIZE)



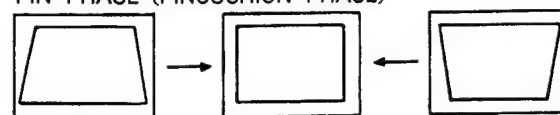
RV1509
V. ANGLE (VERTICAL ANGLE)



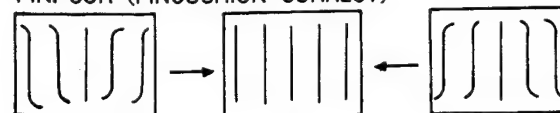
RV1503
PIN AMP (PINCUSHION AMPLIFIER)



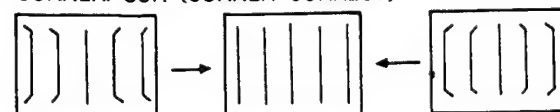
RV1502
PIN PHASE (PINCUSHION PHASE)



RV1501
PIN. COR (PINCUSHION CORRECT)



RV1505
CORNER. COR (CORNER CORRECT)



4-5. V BOARD ADJUSTMENTS

Clock Adjustment (CT01)

1. Disconnect the V-1 connector.
2. Set up the TELE TEXT mode.
3. Adjust CT01 to stop pictures from scrolling.

RGB Level Adjustment (RV01)

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes 0.65V.

4-6. SUB ADJUSTMENTS

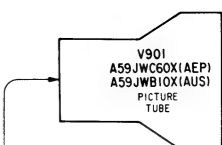
SUB BRIGHTNESS Adjustment

1. Receive and display a TEST COLOR BAR pattern.
2. Push → • ← on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked.)
5. Reduce the ● CONTRAST to the minimum level.
6. Adjust the ✕ BRIGHTNESS control until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous.
7. Push the AFT button. (SUB mode is cleared)

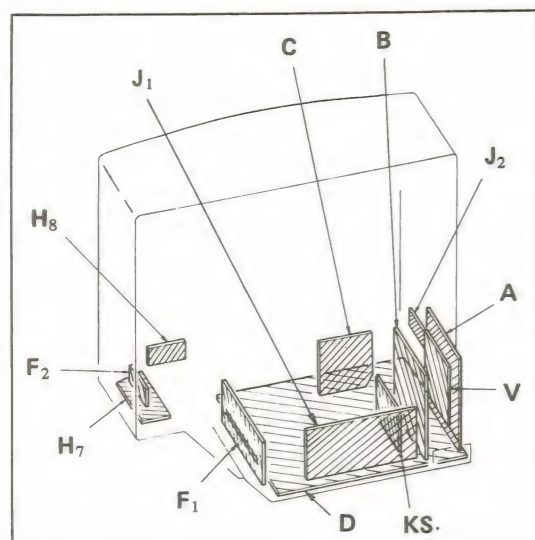
Where no TEST COLOR BAR pattern is available,

1. Display a COLOR BAR pattern.
 2. Push → • ← on the remote commander to invoke the normal state.
Set the ● COLOR to normal mode.
Steps 3-5 are the same as above.
 6. 20 IRE is close to blue, so adjust the ✕ BRIGHTNESS control till blue is faintly luminous.
 7. Same as Step 7 above.
 8. Push → • ← on the remote commander to invoke the normal state.
- * When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.

A line graph showing a fluctuating signal. The signal starts at a baseline, dips below it, then rises to a peak. It then fluctuates around a horizontal line labeled "Same level".



5-2. CIRCUIT BOARDS LOCATION



Note :

- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm

Rating electrical power : 1/4W

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

- All voltages are in V.
- Readings are taken with a 10M Ω digital multimeter.
- Readings are taken with a color-bar signal input.

no mark : PAL

< > : SECAM

() : NTSC 3.58MHz

[] : NTSC 4.43MHz

[] : adjustment for repair.

- Voltage variations may be noted due to normal production tolerances.

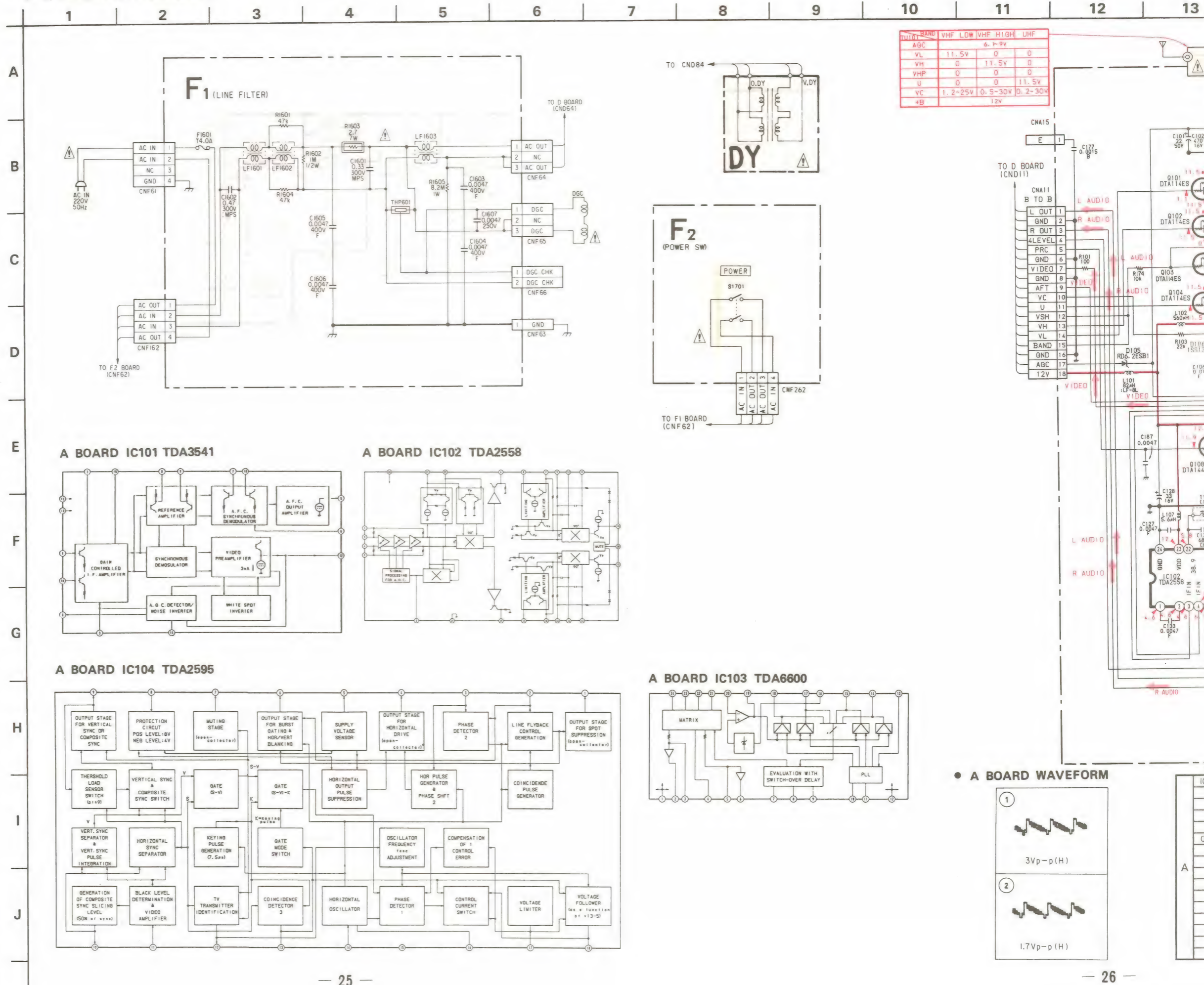
- : B+ line
- : B- line
- : signal path.

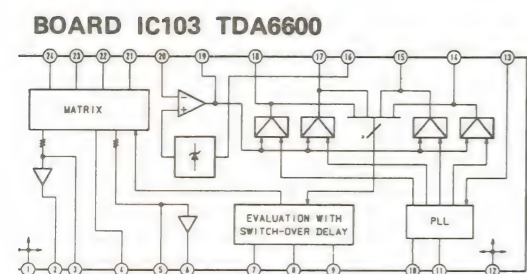
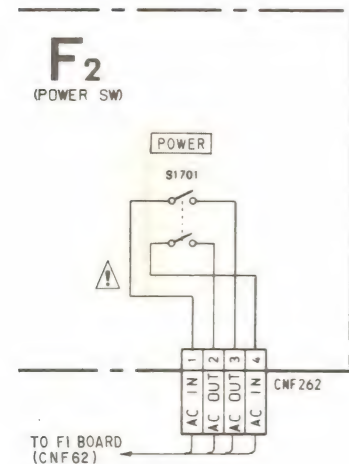
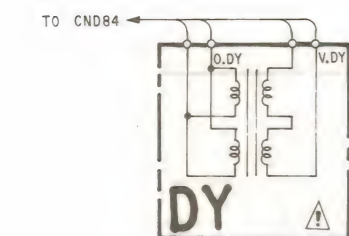
Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE WIREWOUND
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ABL	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

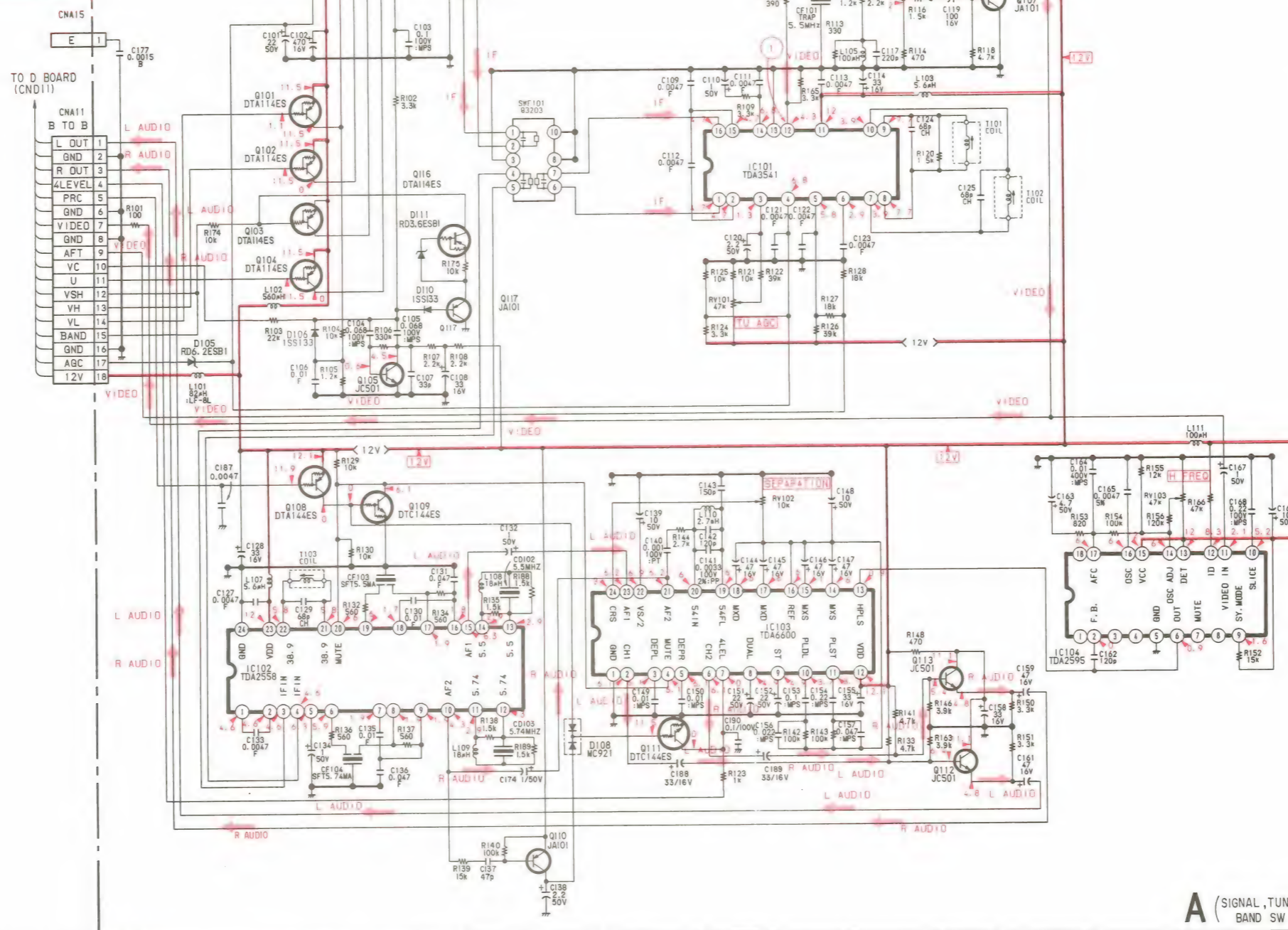
Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

5-3. SCHEMATIC DIAGRAM (1)

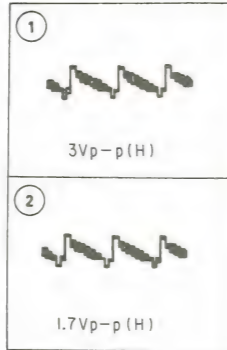




TU101	BAND	VHF LOW	VHF HIGH	UHF
AGC		1.1.5V	0	0
VH		0	11.5V	0
VHP		0	0	0
U		0	0	11.5V
VC		1.2~25V	0.5~30V	0.2~30V
+B			12V	



A BOARD WAVEFORM



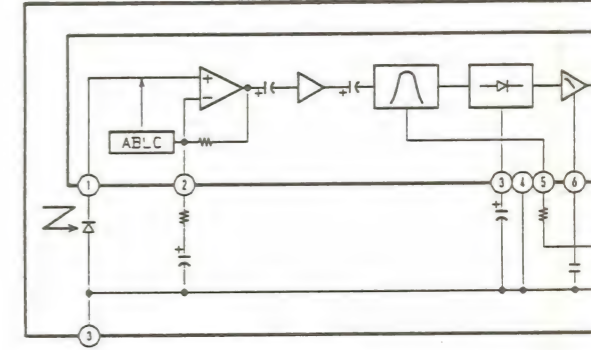
IC 101	TDA3541	VIF	D 111	DTC144ES	MONO SW
102	TDA2558	SIF	112	JC501	AF BUFF L
103	TDA6600	SIF FM ID	113	JC501	AF BUFF R
104	TDA2595	SYNC SEP	116	DTA144ES	PROTECT
			117	JA101	PROTECT
Q 101	DTA114ES	BAND-L			
102	DTA114ES	BAND-H	D 105	RD6.2ESB1	SEARCH AGC
103	DTA114ES	BAND-VH	106	1SS133	VC STOP
104	DTA114ES	BAND U	108	MC921	SYSTEM SW
105	JC501	VC FILTER	110	1SS133	PROTECT
106	JC501	BUFF AMP	111	RD3.6ESB1	PROTECT
107	JA101	BUFF AMP			
108	DTA144ES	PRC SW			
109	DTC144ES	PRC SW			
110	JA101	SYSTEM SW			

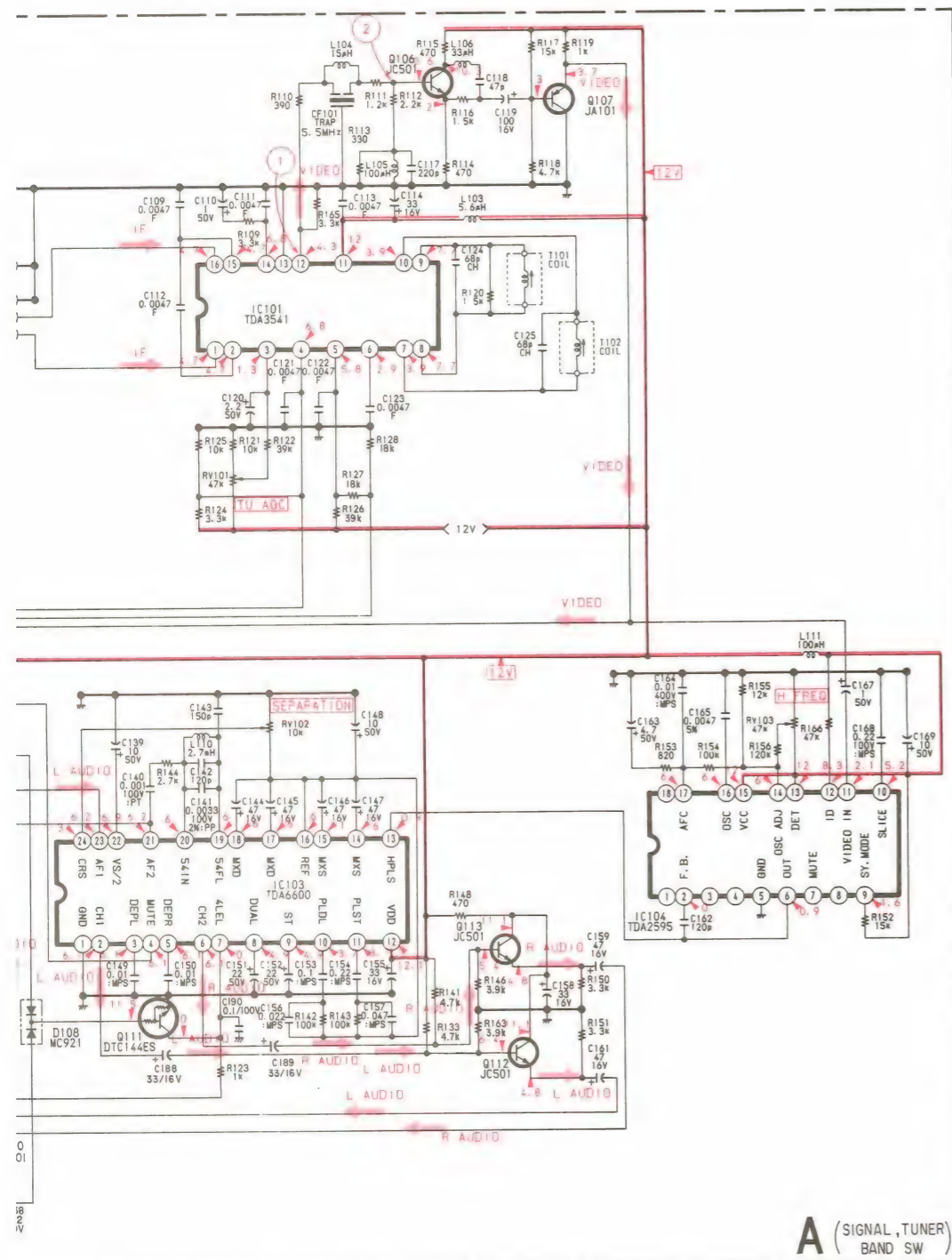
IC1401	BX-1387	R
D1401	SR-632D	A
1402	SR-632D	B
1403	SR-632D	S
1404	SR-632D	R

H7	D 1405	TLR-124	A
----	--------	---------	---

A (SIGNAL, TUNER)
BAND SW

H8 BOARD IC1401 BX1387

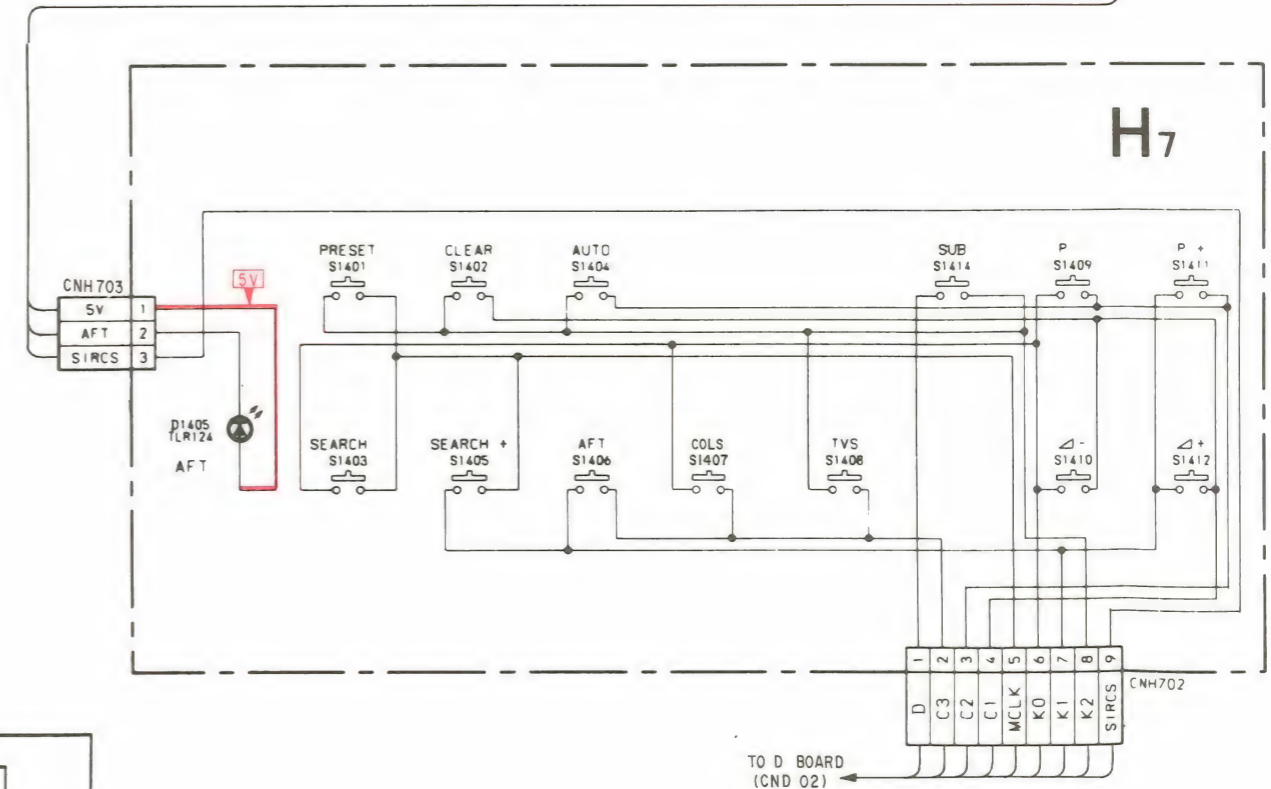
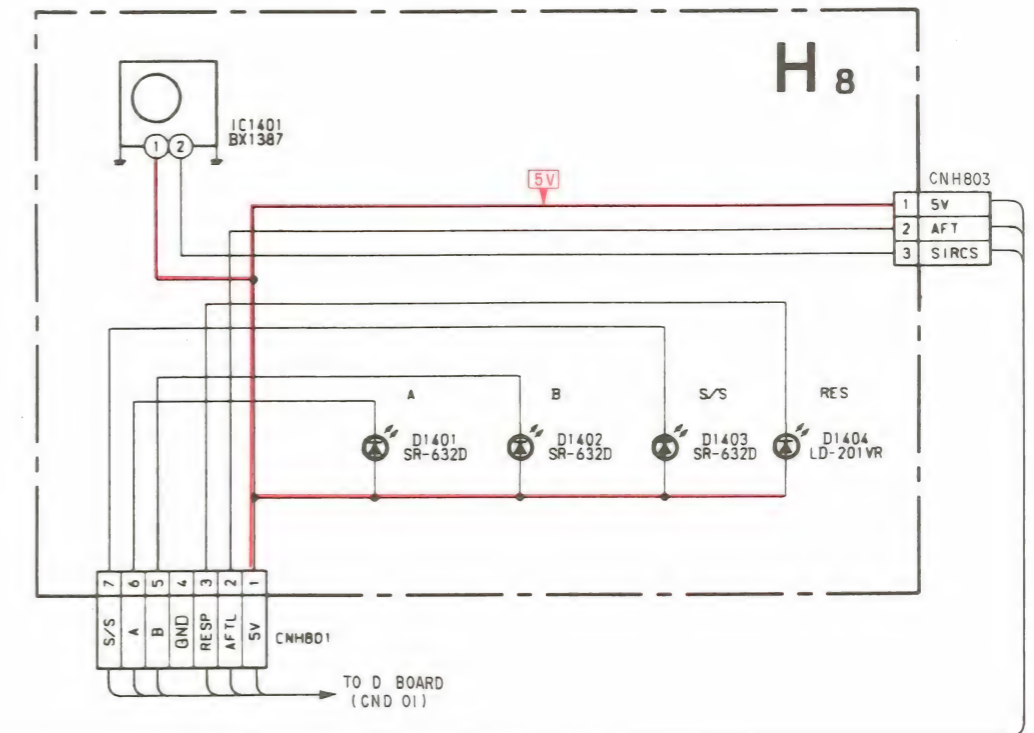




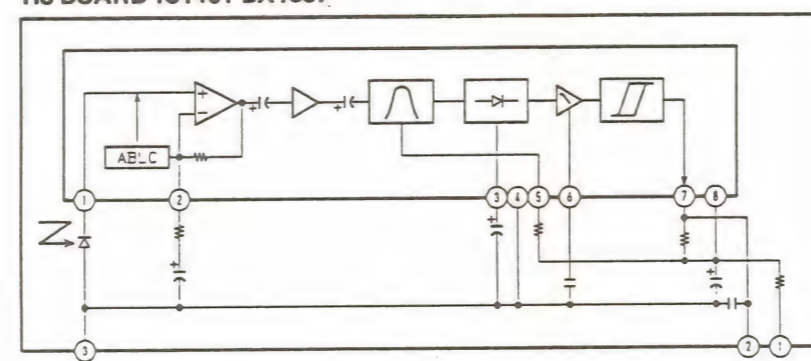
D 111	DTC144ES	MONO SW
112	JC501	AF BUFF L
113	JC501	AF BUFF R
116	DTA144ES	PROTECT
117	JA101	PROTECT
D 105	RD6.2ESB1	SEARCH AGC
106	1SS133	VC STOP
108	MC921	SYSTEM SW
110	1SS133	PROTECT
111	RD3.6ESB1	PROTECT

H8	IC1401	BX-1387	REMOCON RECEIVER
	D1401	SR-632D	A
	1402	SR-632D	B
	1403	SR-632D	SPACE SOUND
	1404	SR-632D	RESP

H7	D 1405	TLR-124	AFT



H8 BOARD IC1401 BX1387



```

graph TD
    V9[9V] --- PD[POWER-DOWN DETECTOR]
    V9 --- DAC0[DIGITAL-TO-ANALOGUE CONVERTER DAC0]
    V9 --- DAC1[DIGITAL-TO-ANALOGUE CONVERTER DAC1]
    V9 --- DAC2[DIGITAL-TO-ANALOGUE CONVERTER DAC2]
    V9 --- DAC3[DIGITAL-TO-ANALOGUE CONVERTER DAC3]
    V9 --- I2C[I²C BUS SLAVE RECEIVER]
    V9 --- POD[POD]
    V9 --- OP2[OUTPUT PORT P2]
    V9 --- OP2N[OUTPUT PORT P2N]
    V9 --- OP1[OUTPUT PORT P1]

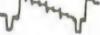
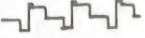
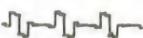
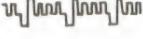
    DAC0 --> I2C
    DAC1 --> I2C
    DAC2 --> I2C
    DAC3 --> I2C

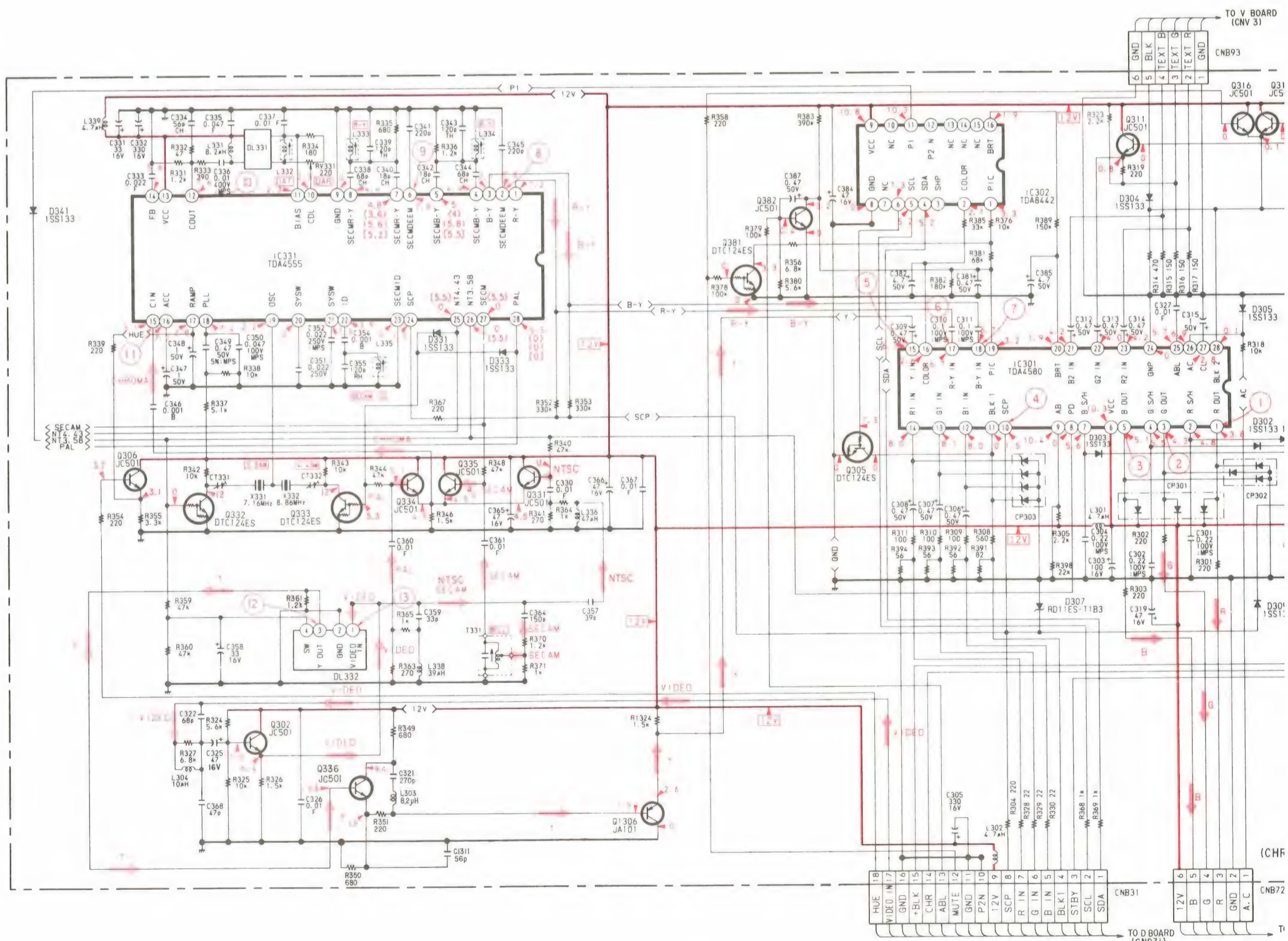
    I2C --> DACX[DACX]
    I2C --> POD
    I2C --> OP2
    I2C --> OP2N
    I2C --> OP1

    OP2 --> V9
    OP2N --> V9
    OP1 --> V9
  
```

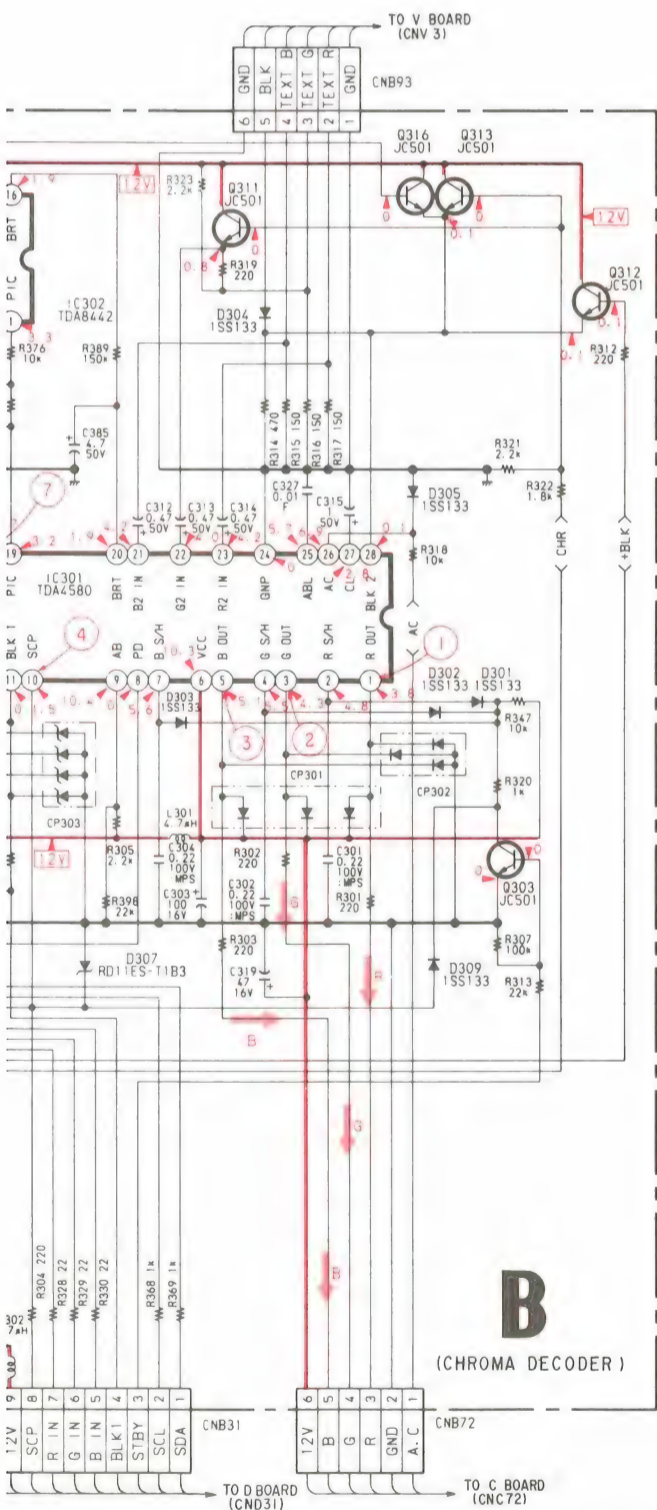
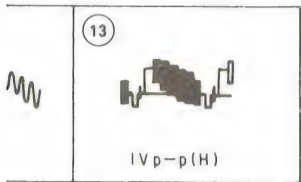
The block diagram illustrates the internal components of a PAL/NTSC color receiver. Key blocks include:

- DC FEED 8**: Connected to the **ACC** and **ACC DEMOD** blocks.
- ACC** and **ACC DEMOD**: Connected to the **SYSTEM CONTROL STANDARD SCANNING** and **FORCED STANDARD SETTING** blocks.
- SYSTEM CONTROL STANDARD SCANNING** and **FORCED STANDARD SETTING**: Connected to the **PAL/NTSC** block.
- PAL/NTSC**: Connected to the **SECAM V/VH** and **IDENT** blocks.
- DL AMP DRIVER**: Connected to the **BURST BLANK** block.
- BURST BLANK**: Connected to the **MATRIX SECAM LIMITER PERMULATOR** block.
- MATRIX SECAM LIMITER PERMULATOR**: Connected to the **SECAM REF** and **DEMOD** blocks.
- SECAM REF** and **DEMOD**: Connected to the **SECAM DEEMPH BLANKING COLOR KILLER** block.
- SECAM DEEMPH BLANKING COLOR KILLER**: Connected to the **PULSE PROCESSING** and **SAND CASLLE PULSE DELECT** blocks.
- PULSE PROCESSING** and **SAND CASLLE PULSE DELECT**: Connected to the **SERVICE** block.
- SERVICE**: Connected to the **HUE NTSC $\pm 30^\circ$** and **21 osc PAL/NTSC DIVIDER. PLL** blocks.
- HUE NTSC $\pm 30^\circ$** and **21 osc PAL/NTSC DIVIDER. PLL**: Connected to the **SECAM V/VH** and **IDENT** blocks.

<p>1</p>  <p>6Vp-p(H)</p>	<p>5</p>  <p>0.4Vp-p(H)</p>	<p>9</p>  <p>1.2Vp-p(H)</p>	<p>13</p>  <p>1Vp-p(H)</p>
<p>2</p>  <p>6Vp-p(H)</p>	<p>6</p>  <p>0.9Vp-p(H)</p>	<p>10</p>  <p>1.5Vp-p(H)</p>	
<p>3</p>  <p>6Vp-p(H)</p>	<p>7</p>  <p>1.5Vp-p(H)</p>	<p>11</p>  <p>0.16Vp-p(H)</p>	
<p>4</p>  <p>10.5Vp-p(H)</p>	<p>8</p>  <p>0.9Vp-p(H)</p>	<p>12</p>  <p>0.4Vp-p(H)</p>	

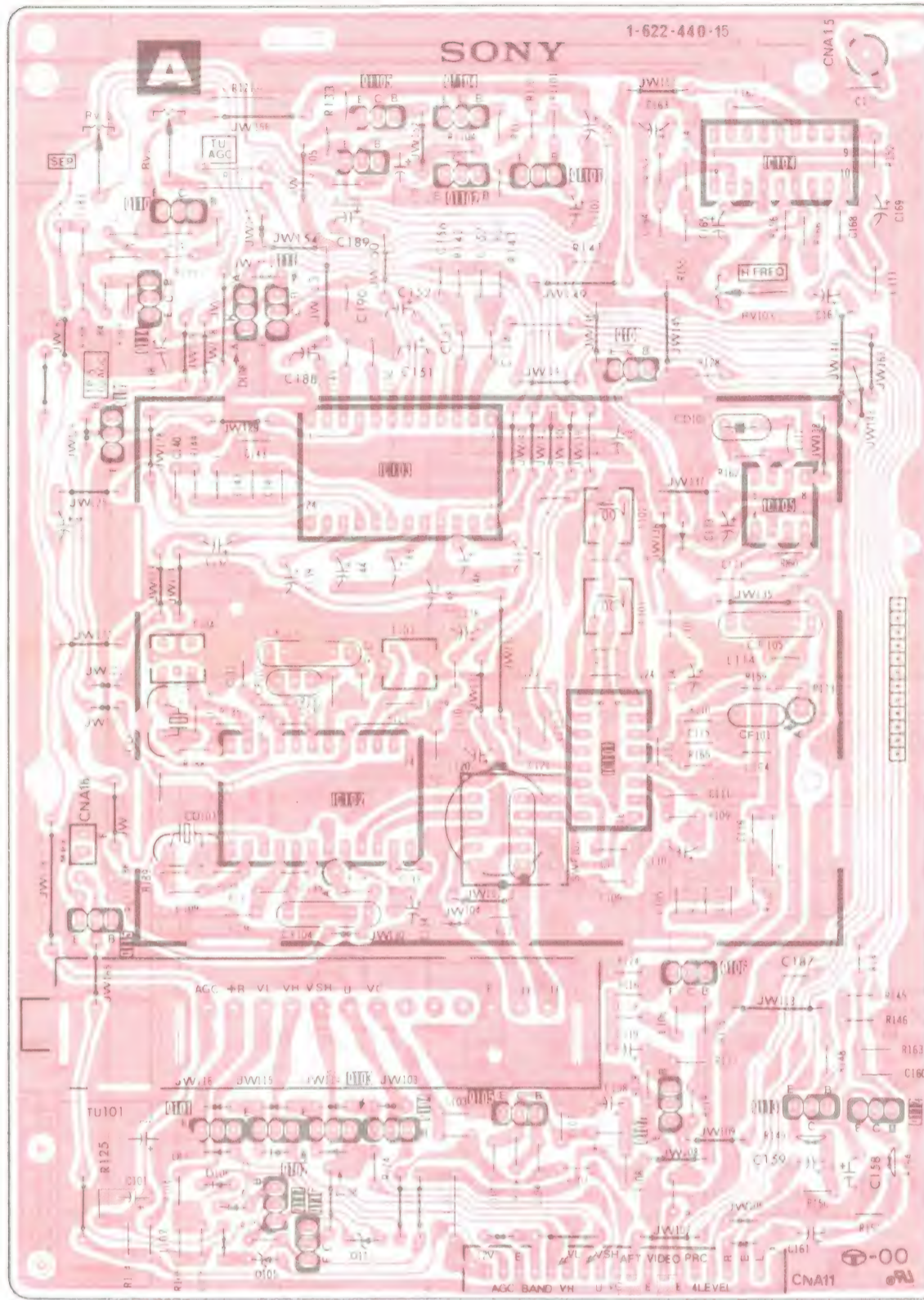


B	IC 301	TDA4580	RGB INTERFACE	316	JC501	PIC MUTE	D 301	1SS133
	302	TDA8442	D/A CONVERTOR	331	JC501	CROMA OUT-3	302	1SS133
	331	TDA4555	CHROMA DECODER	332	DTC124ES	3.58M SW	303	1SS133
				333	DTC124ES	4.43M SW	304	1SS133
	Q 302	JC501	VIDEO BUFF	334	JC501	CHROMA OUT-1	305	1SS133
	303	JC501	ST BY SW	335	JC501	CHROMA OUT-2	307	RD11ES-83
	305	DTC124ES	BLK SW-1	336	JC501	Y AMP	309	1SS133
	306	JC501	HUE BUFF	381	DTC124ES	MUTE	331	1SS133
	311	JC501	CHR OUT	382	JC501	ABL MUTE	333	1SS133
	312	JC501	BLK SW-2	1306	JA101	Y BUFF	341	1SS133
	313	JC501	CHR MIX					

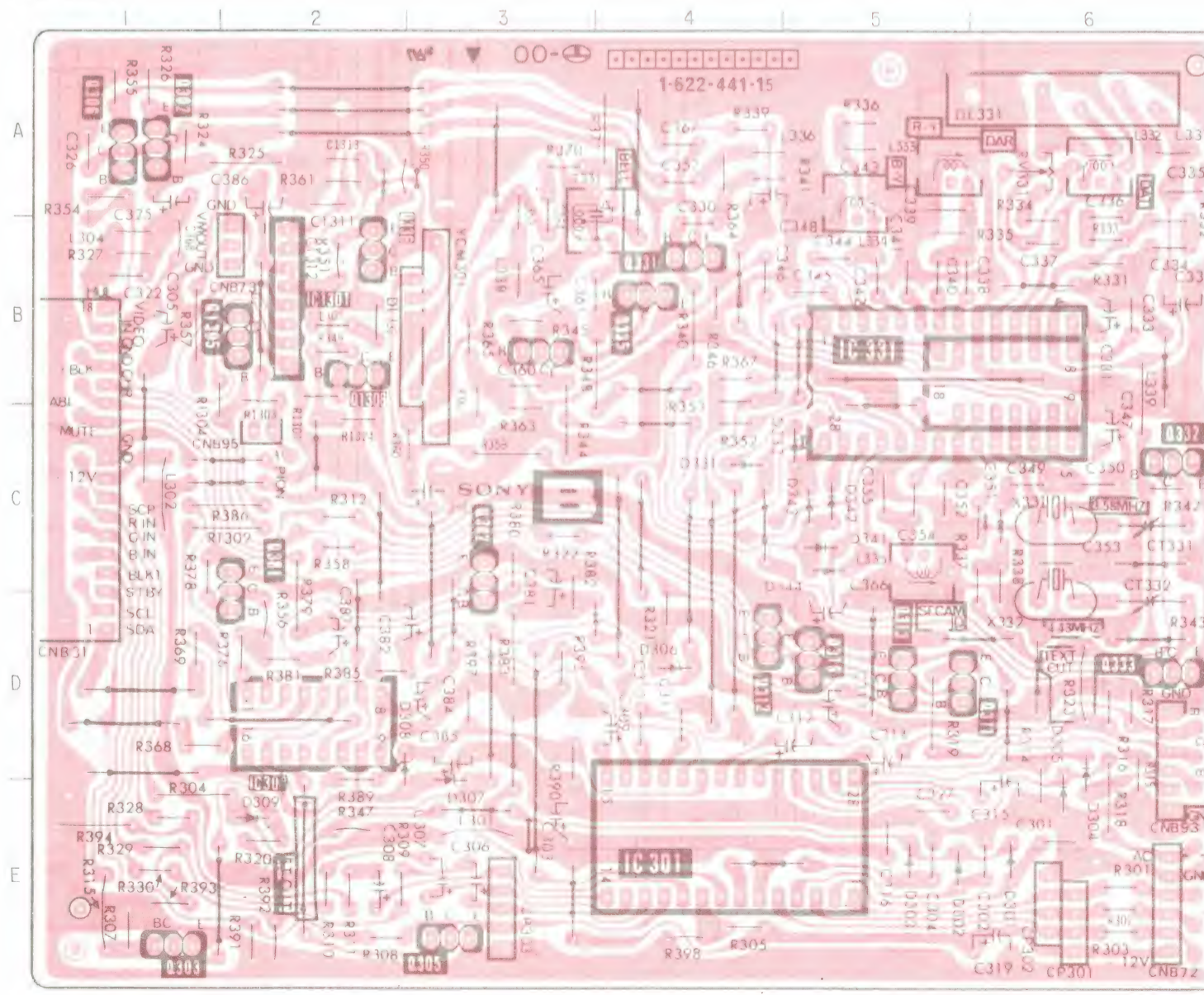


PIC MUTE	D301	1SS133	ST BY MUTE-1
CHROMA OUT-3	302	1SS133	ST BY MUTE-2
3.58M SW	303	1SS133	ST BY MUTE-3
4.43M SW	304	1SS133	BLK SW
CHROMA OUT-1	305	1SS133	PROTECT
CHROMA OUT-2	307	RD11ES-B3	PROTECT
Y AMP	309	1SS133	SPOT PROTECT
MUTE	331	1SS133	SYSTEM SW-1
ABL MUTE	333	1SS133	SYSTEM SW-2
Y BUFF	341	1SS133	SYSTEM SW

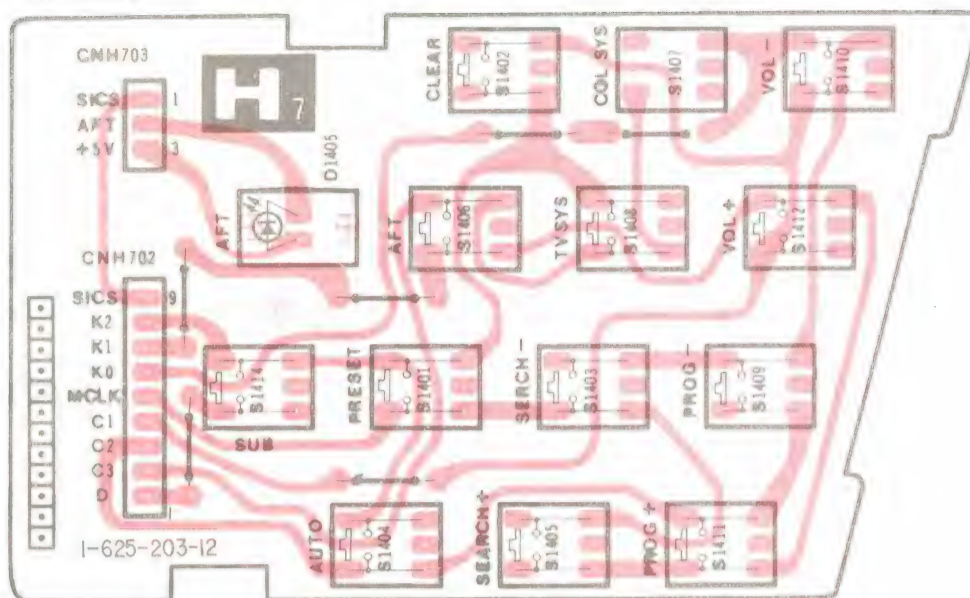
- A Board -



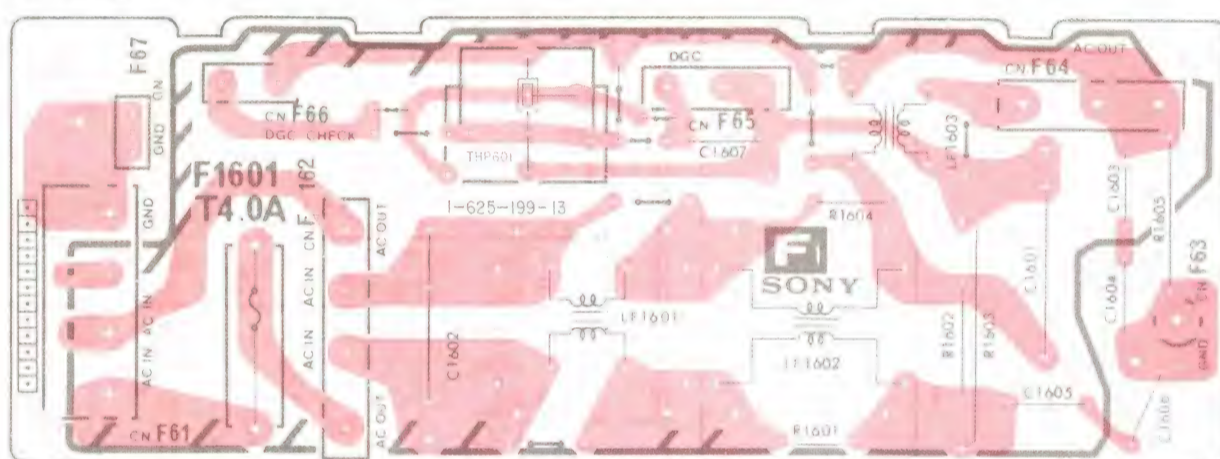
- B Board -



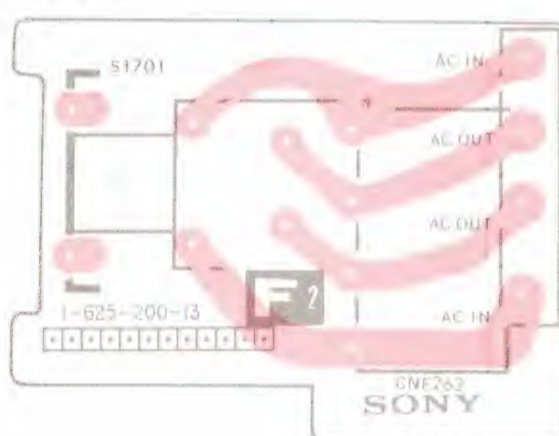
—H7 Board—



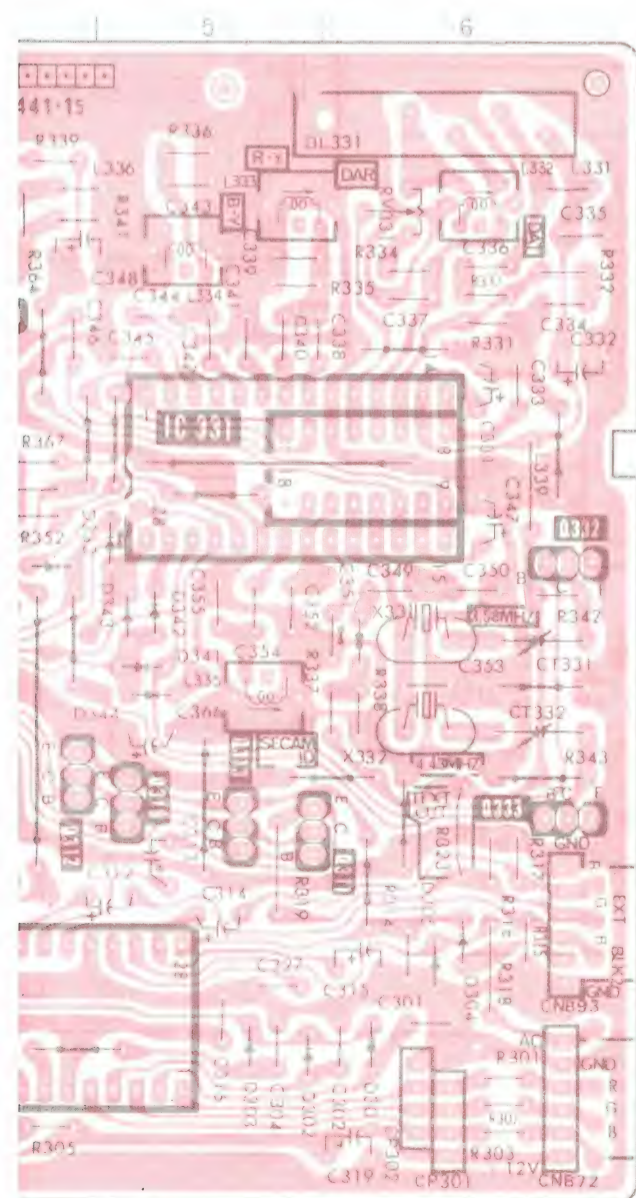
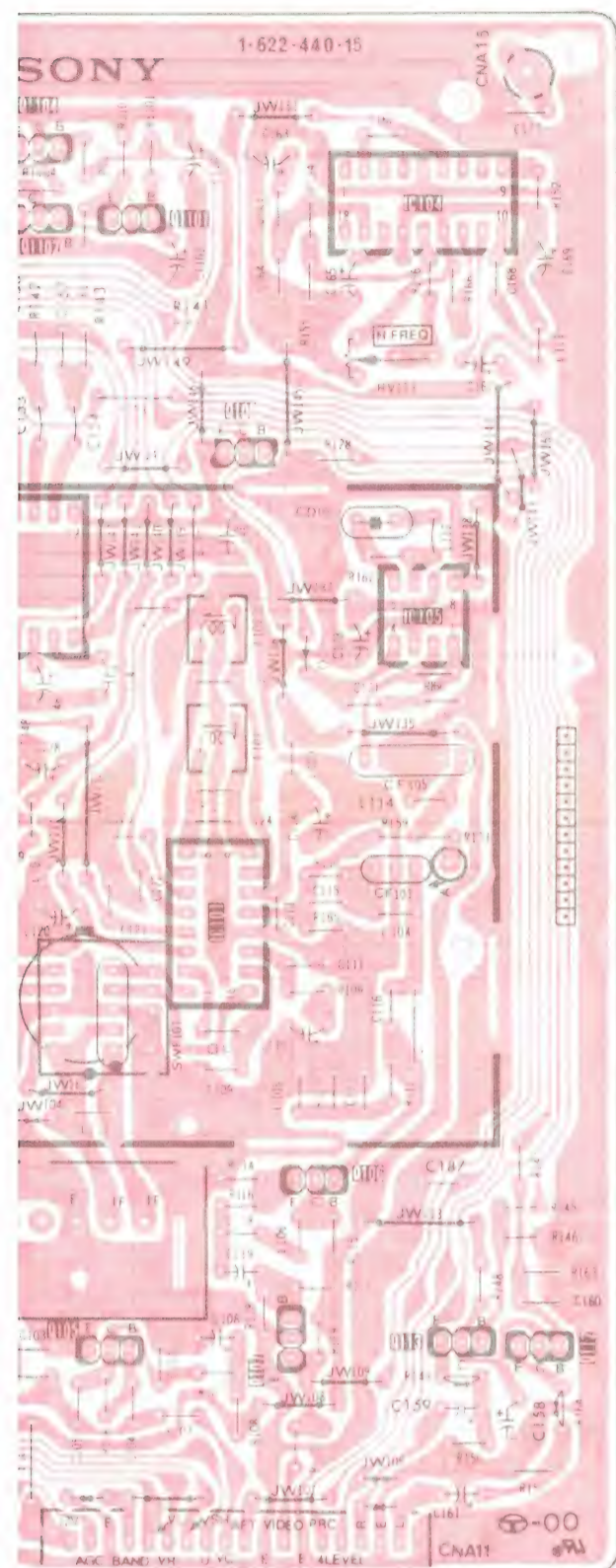
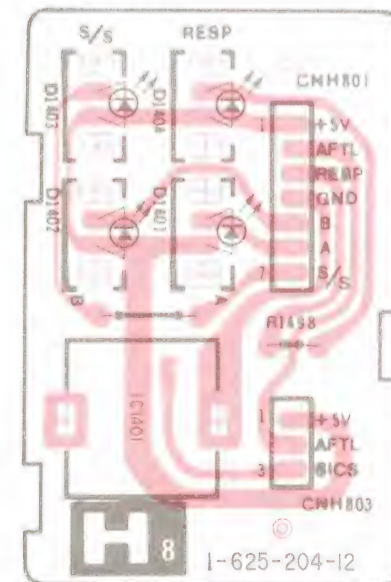
—F1 Board—



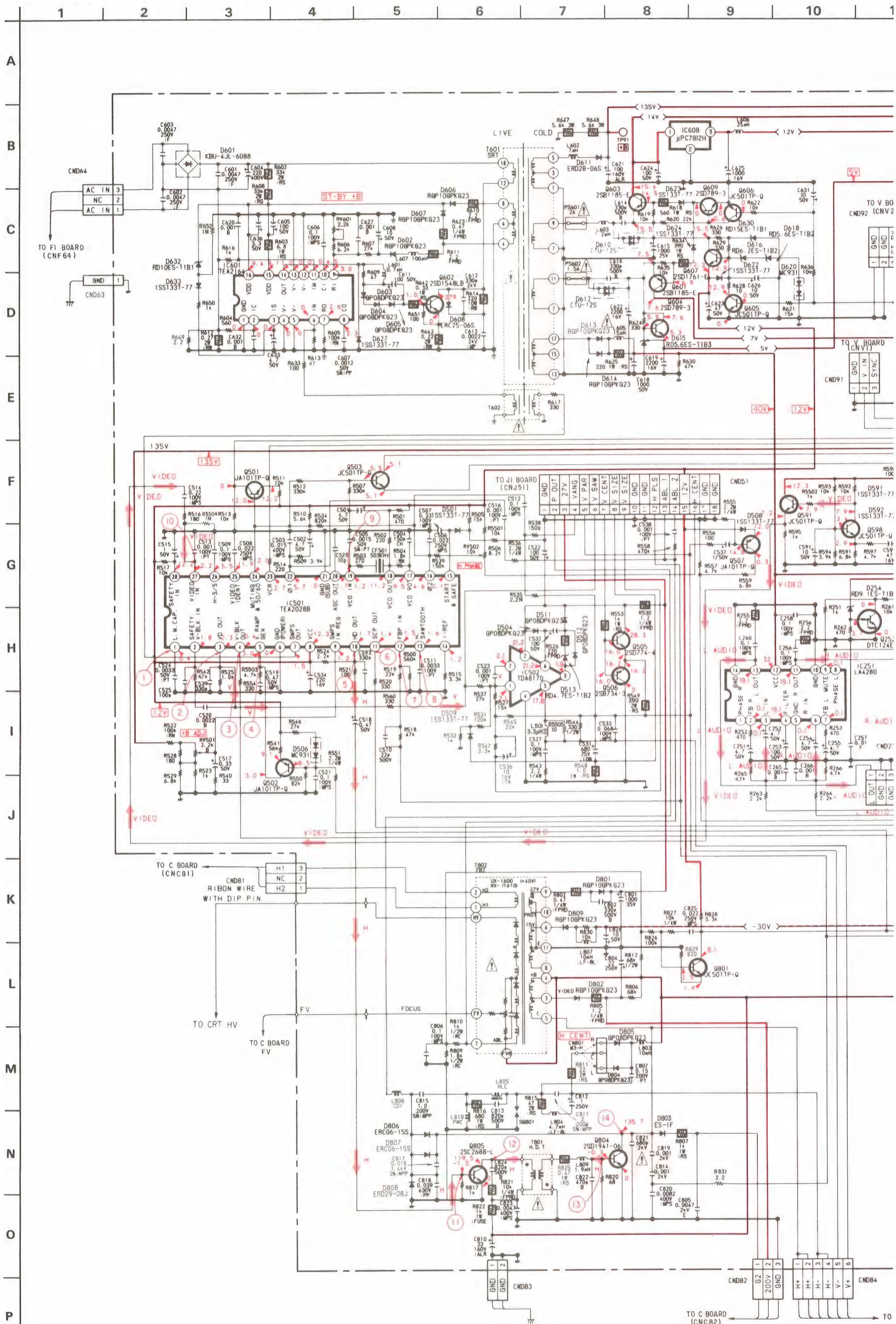
—F2 Board—

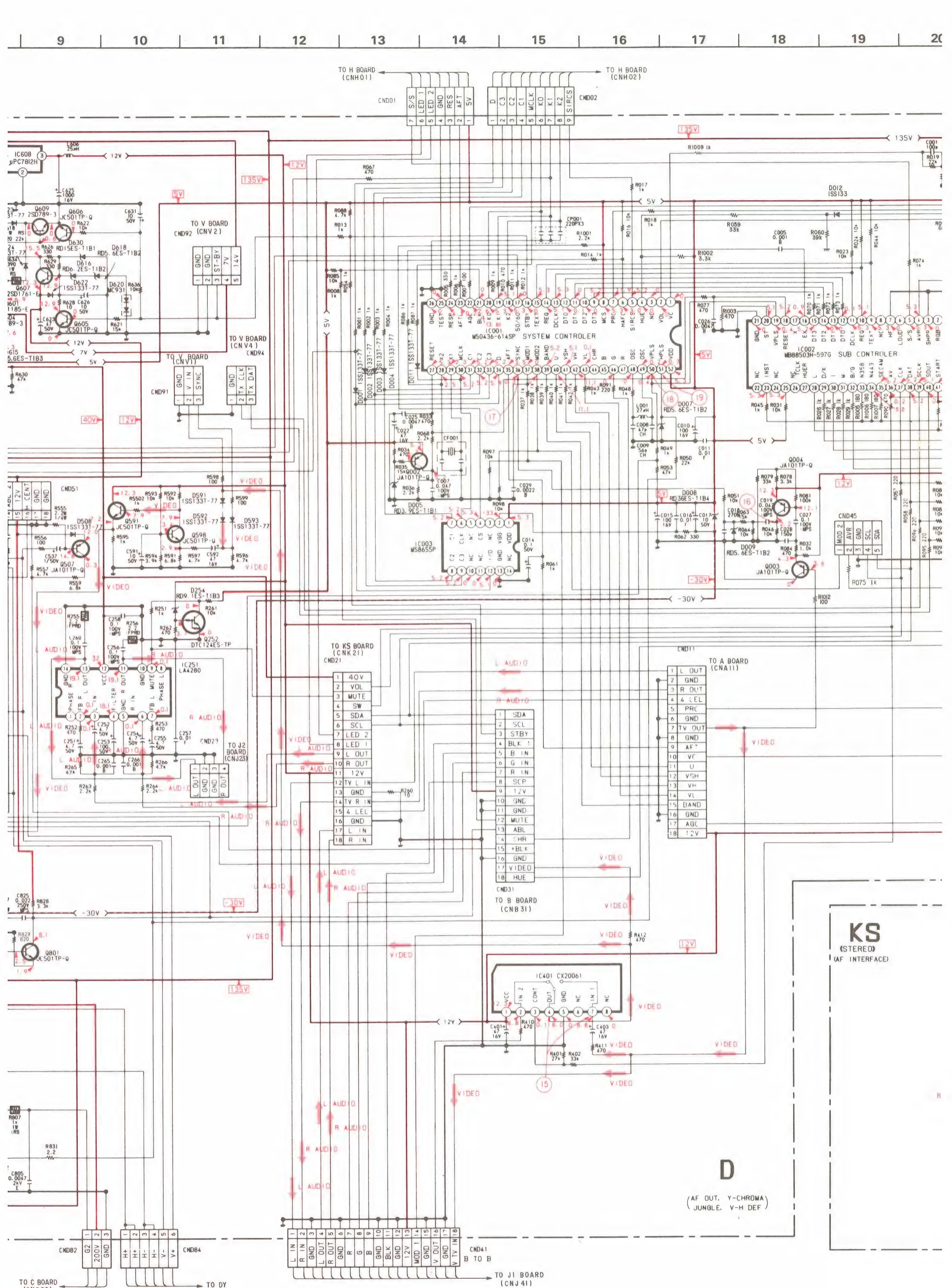


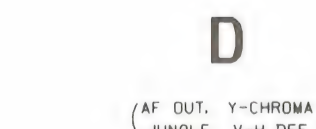
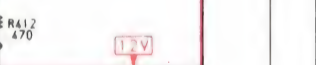
— H8 Board —



IC		DIODE	
IC301	E-4	D301	E-6
IC302	D-2	D302	E-5
IC331	B-5	D303	E-5
		D304	E-6
		D305	E-6
TRANSISTOR			
		D306	D-4
Q302	A-1	D307	E-3
Q303	E-1	D308	D-2
Q305	E-3	D342	C-5
Q311	D-5	D343	C-5
Q312	D-4	D344	C-5
Q313	D-5		
Q316	D-5		
Q334	B-3	VARIABLE RESISTOR	
Q335	B-4	RV331	A-6
Q336	B-2		
		CT331	C-6
Q381	C-2	CT332	D-6
Q382	C-3		
Q1305	B-2		
Q1306	B-2		







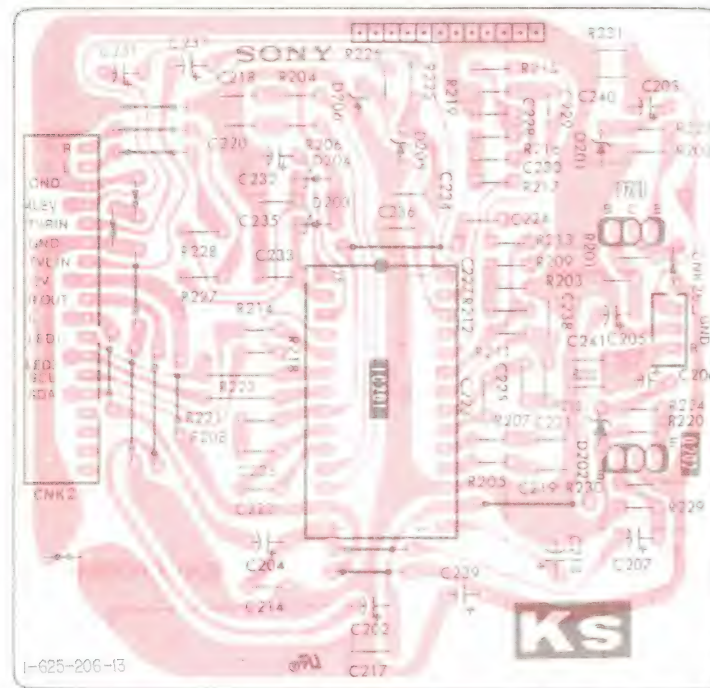
KS	IC 201	TDA6200	AF INTERFACE
	D 205	RD7.5ESB3	PROTECT
	206	RD7.5ESB3	PROTECT

[STEREO] **KS**

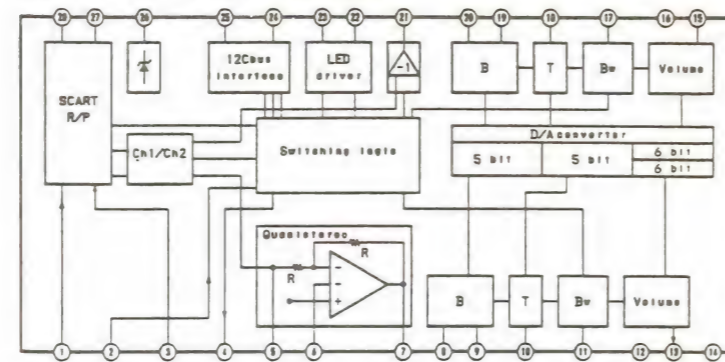
D [AF OUT Y-CHROMA]
[JUNGLE V-H DEF]

PRINTED WIRING BOARDS (2)

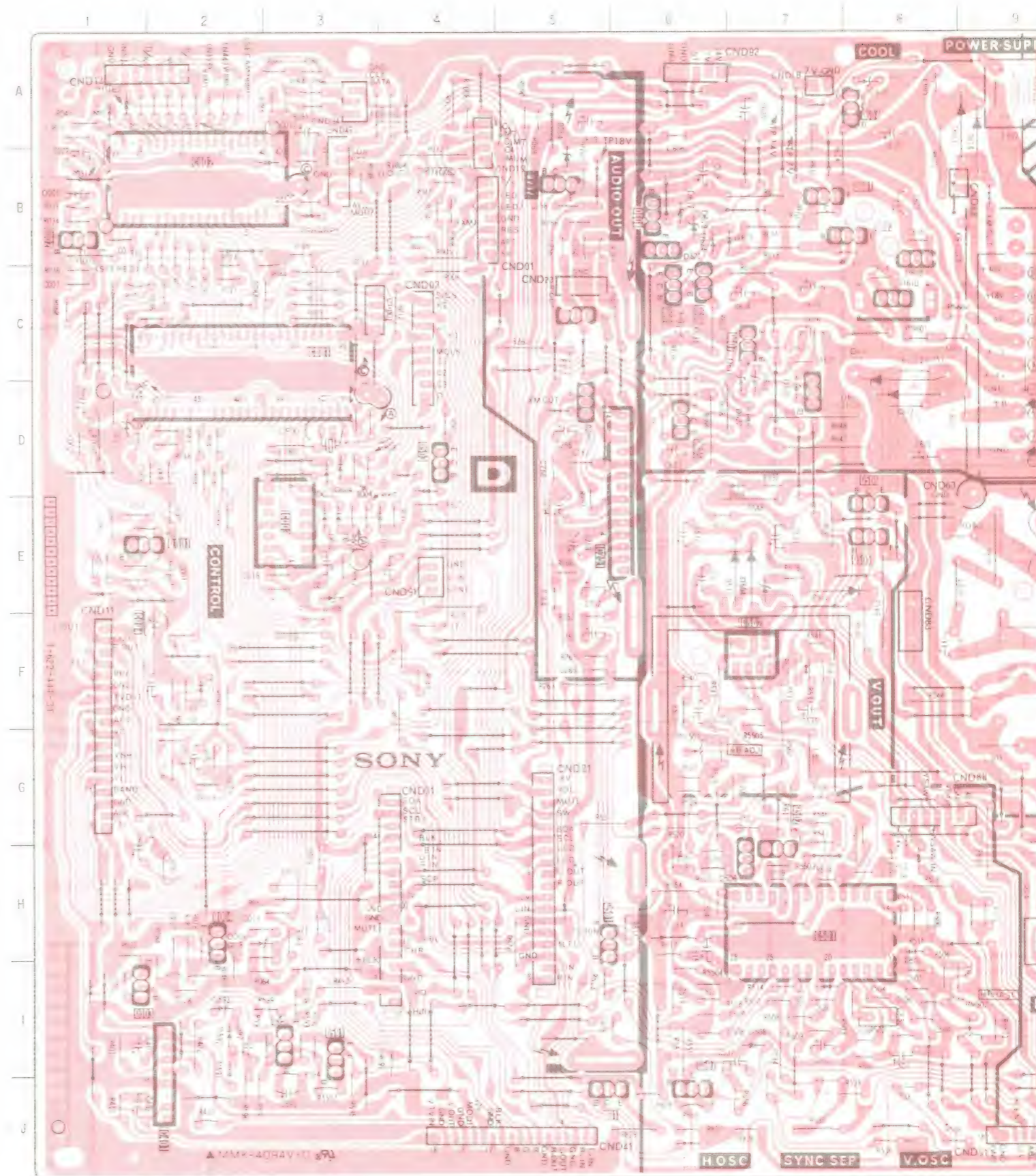
—KS Board—



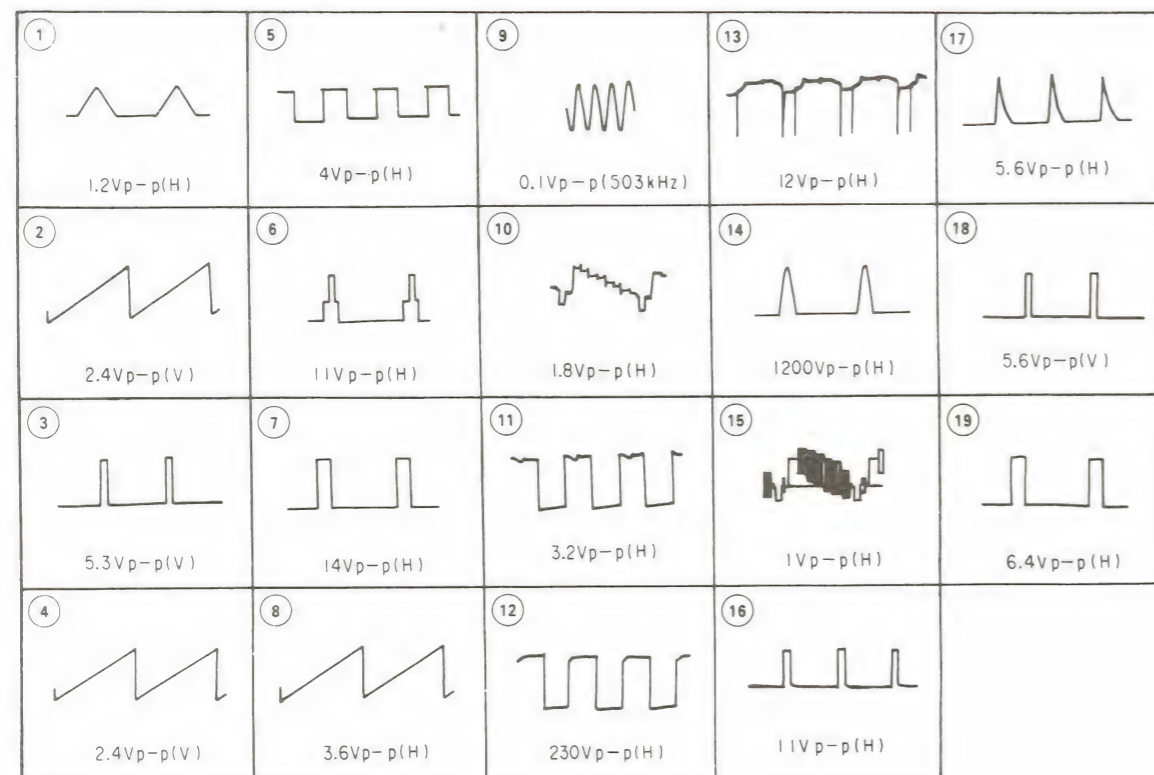
KS BOARD IC201 TDA6200



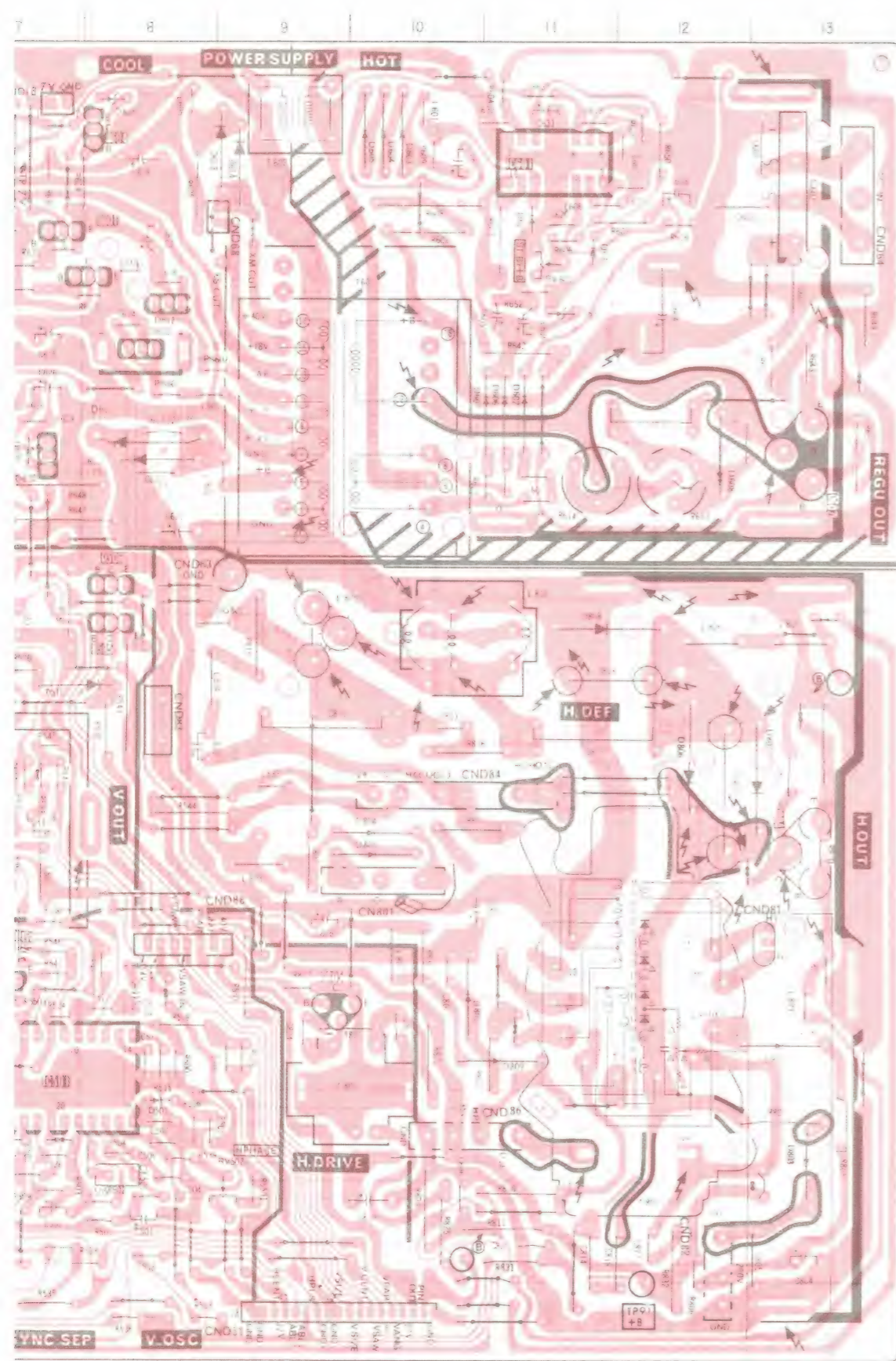
—D Board—



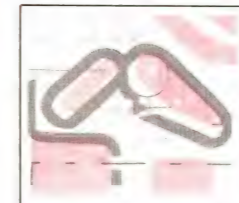
- D BOARD WAVEFORM



D

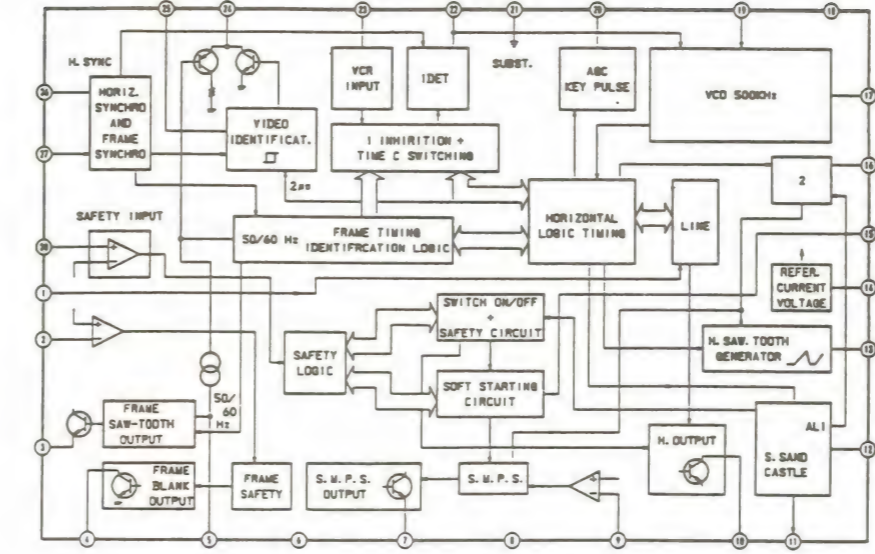


IC			
IC001	C-3	D508	I-7
IC002	B-2	D509	D-7
IC003	E-3	D511	E-8
IC004	F-2	D512	E-7
IC251	E-6	D513	E-7
		D591	I-2
IC401	J-2	D592	I-2
IC501	H-7	D593	I-2
IC502	F-7	D601	B-13
IC601	A-11	D602	C-11
		D603	A-10
TRANSISTOR			
Q001	E-1	D604	A-10
Q002	B-1	D605	A-10
Q003	I-1	D606	C-11
Q004	H-2	D607	C-11
Q252	B-5	D608	D-11
Q501	H-5	D610	C-8
Q502	H-7	D611	D-8
Q503	D-4	D612	C-8
Q505	E-8	D613	A-9
Q506	E-8	D614	A-9
Q507	J-6	D615	A-7
Q591	I-3	D616	D-7
Q598	I-3	D617	B-6
Q601	B-7	D618	D-7
Q602	D-13	D619	B-6
Q603	B-8	D620	C-7
Q604	A-8	D621	B-6
Q605	D-6	D622	D-7
Q606	C-6	D623	B-7
Q607	C-7	D624	B-6
Q608	B-6	D627	B-11
Q609	C-6	D630	D-7
Q801	J-5	D632	C-11
Q804	G-13	D633	B-11
Q805	H-9	D801	H-10
DIODE			
D001	E-3	D802	H-13
D002	E-3	D803	I-13
D003	E-3	D804	F-10
D004	D-3	D805	G-10
D005	B-1	D806	F-12
D007	D-1	D807	F-13
D008	E-3	D808	E-11
D009	H-2	D809	H-11
D011	D-3		
D012	F-2		
D013	G-2		
VARIABLE RESISTOR			
RV501	G-6		
RV502	I-9		
RV601	B-11		
D254	B-5		
D501	H-8		
D504	E-7		
D506	H-7		

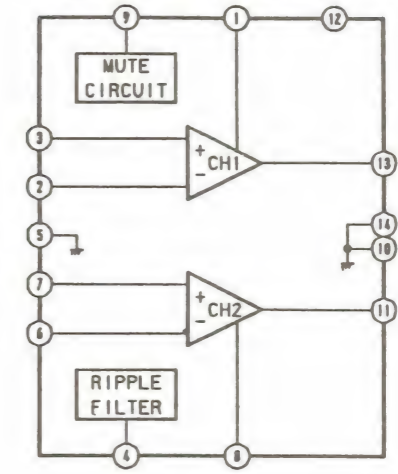


NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

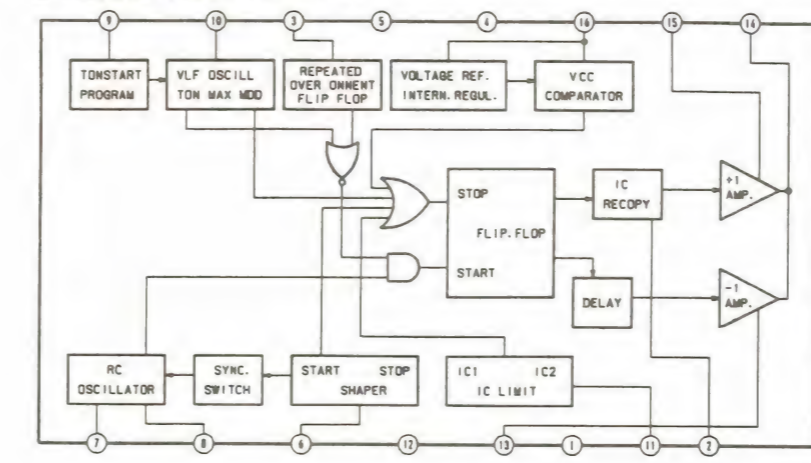
D BOARD IC501 TEA2028 A



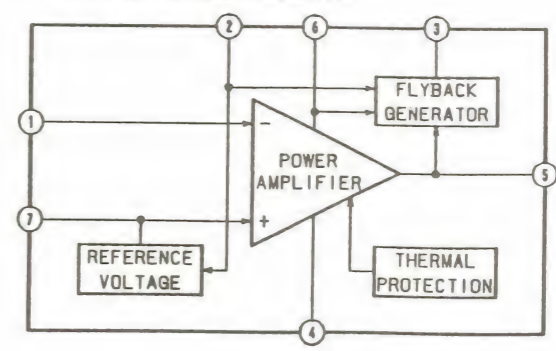
D BOARD IC251 LA4280



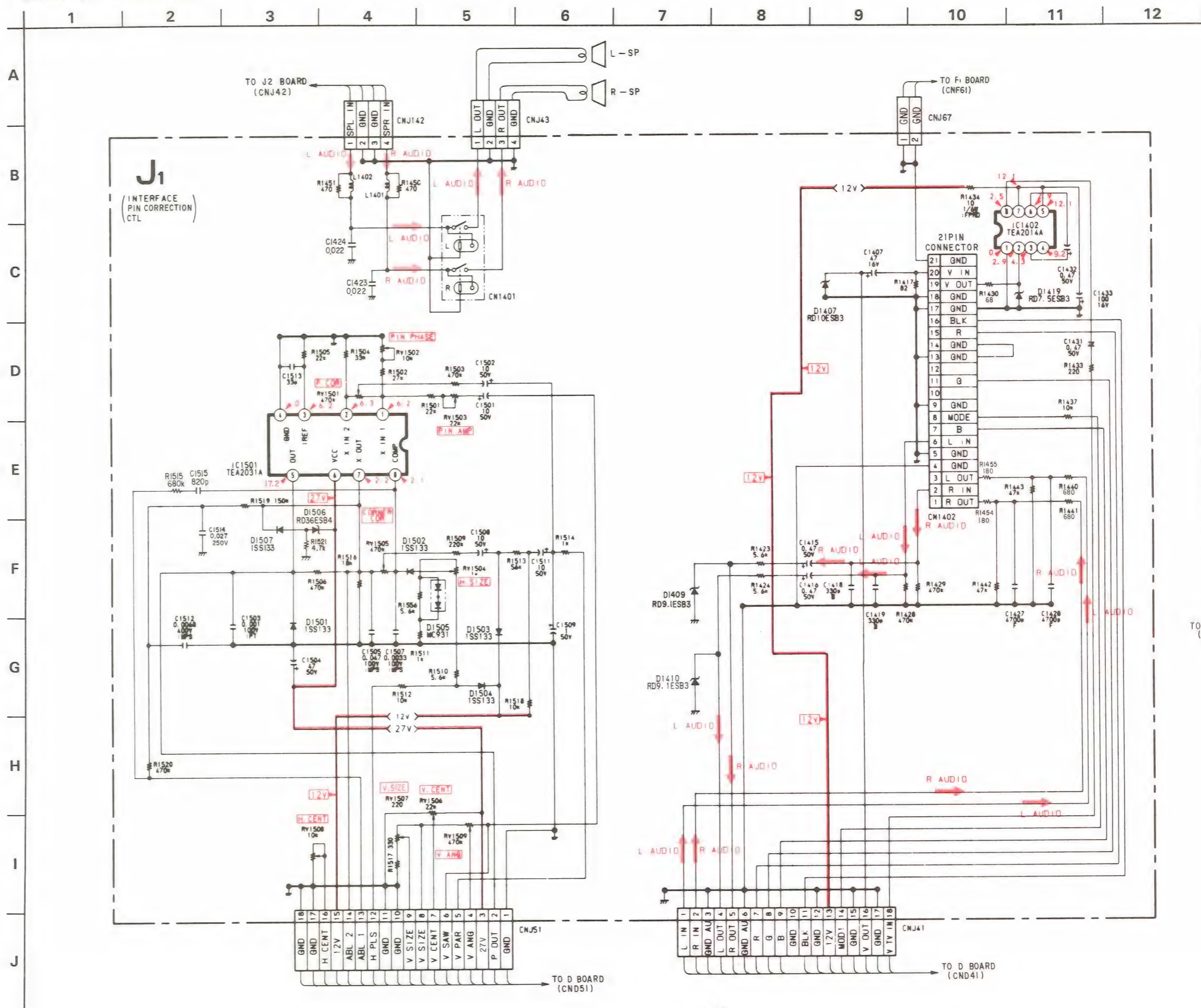
D BOARD IC601 TEA2164

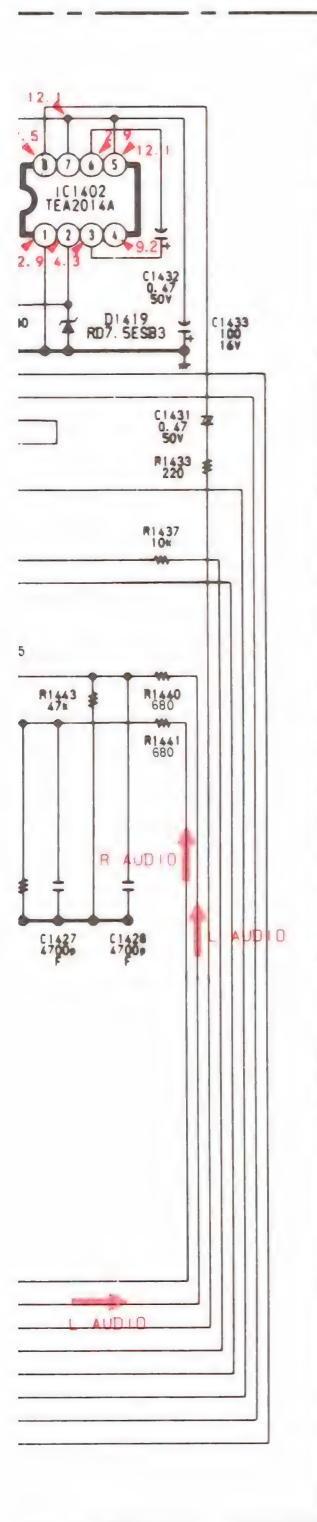


D BOARD IC502 TDA8170

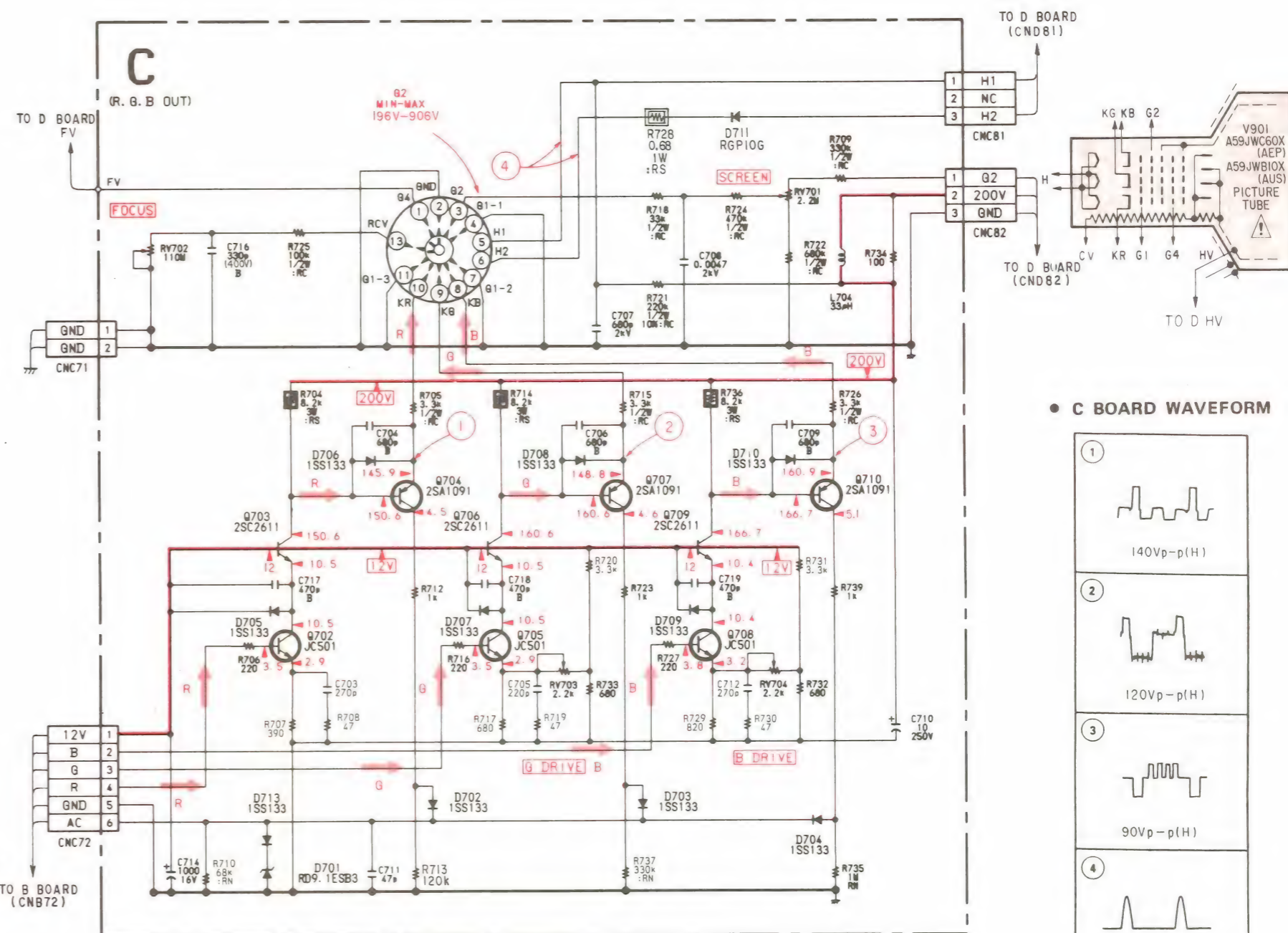
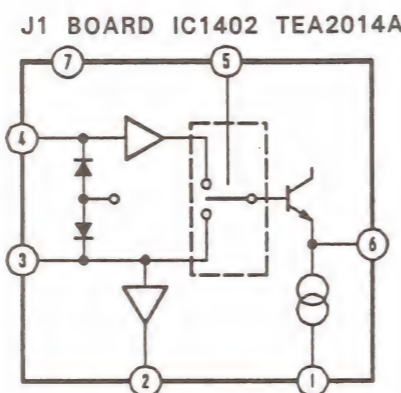
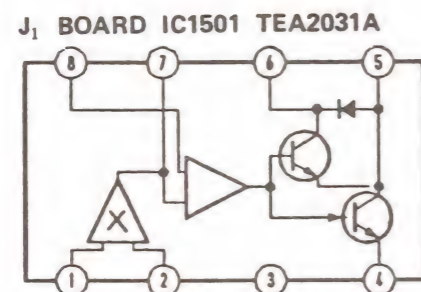
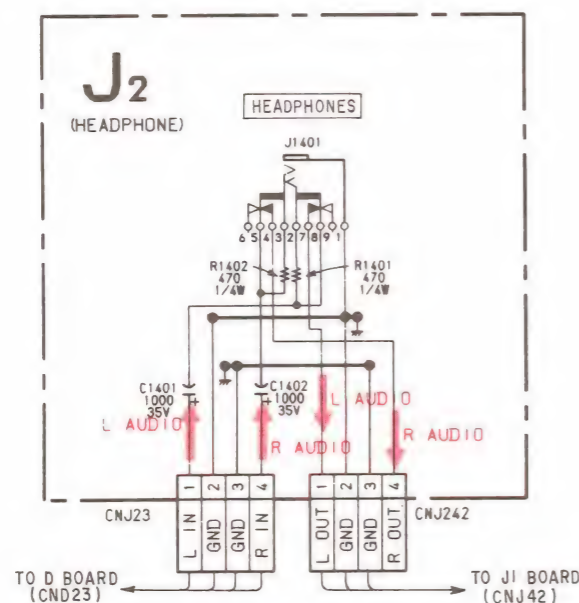


SCHEMATIC DIAGRAM (3)



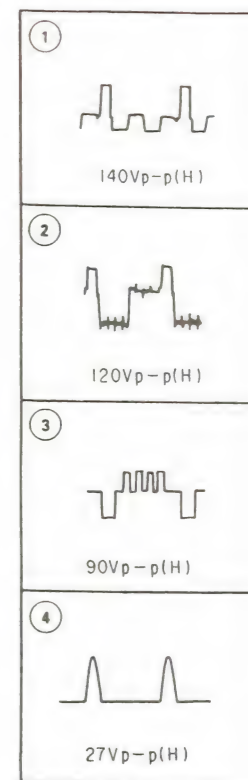


IC1402	TEA2014A	VIDEO SWITCHING
1501	TEA2031A	PIN AMP
D1407	RD10ESB3	PROTECT
1409	RD9.1ESB3	PROTECT
1410	RD9.1ESB3	PROTECT
1419	RD7.5ES-B3	
1501	1SS120	PROTECT
1502	1SS133	DC STOP
1503	1SS133	CORNER CORRECT
1504	1SS133	H.P SLICER
1505	MC931	PROTECT
1506	RD36ESB4	PROTECT
1507	1SS133	PROTECT



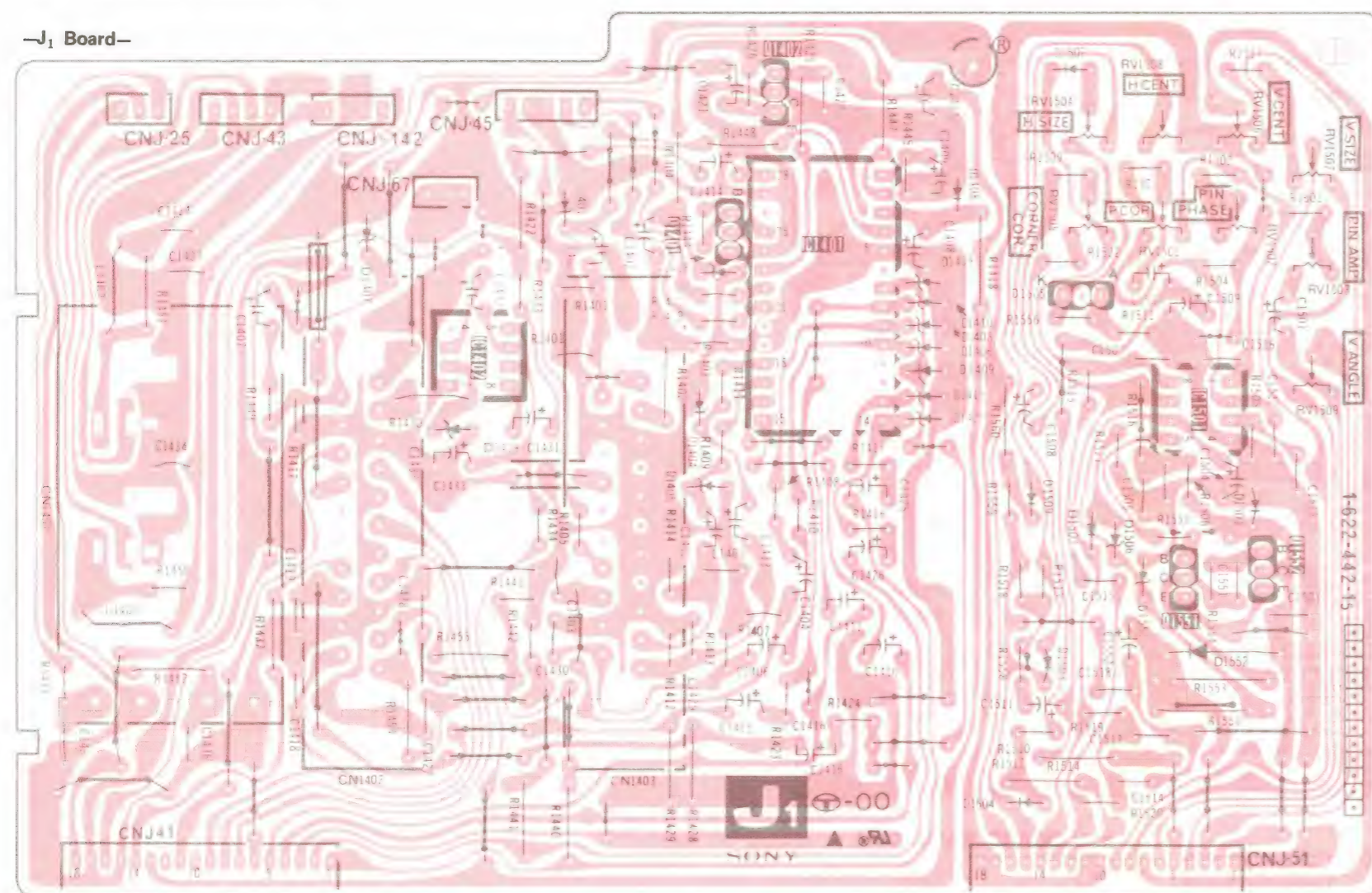
Q 702	JC501	R AMP	704	1SS133	AC MIX-3
703	2SC2611	R OUT	705	1SS133	PROTECT-2
704	2SA1091	R AC AMP	706	1SS133	PROTECT-3
705	JC501	G AMP	707	1SS133	PROTECT-4
706	2SC2611	G OUT	708	1SS133	PROTECT-5
707	2SA1091	G AC AMP	709	1SS133	PROTECT-6
708	JC501	B AMP	710	1SS133	PROTECT-7
709	2SC2611	B OUT	711	RGPI0G	PROTECT-8
710	2SA1091	B AC AMP	713	1SS133	PROTECT
D 701	RD9.1ES-B3	PROTECT-1			
702	1SS133	AC MIX-1			
703	1SS133	AC MIX-2			

• C BOARD WAVEFORM

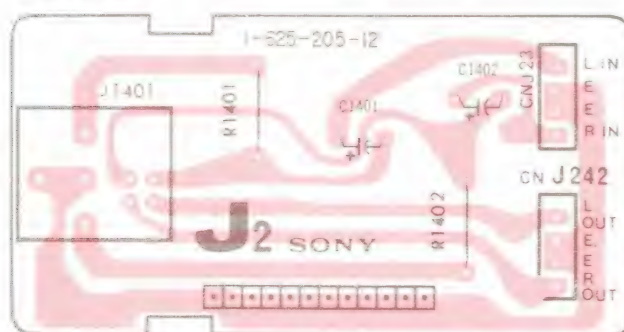


PRINTED WIRING BOARDS (3)

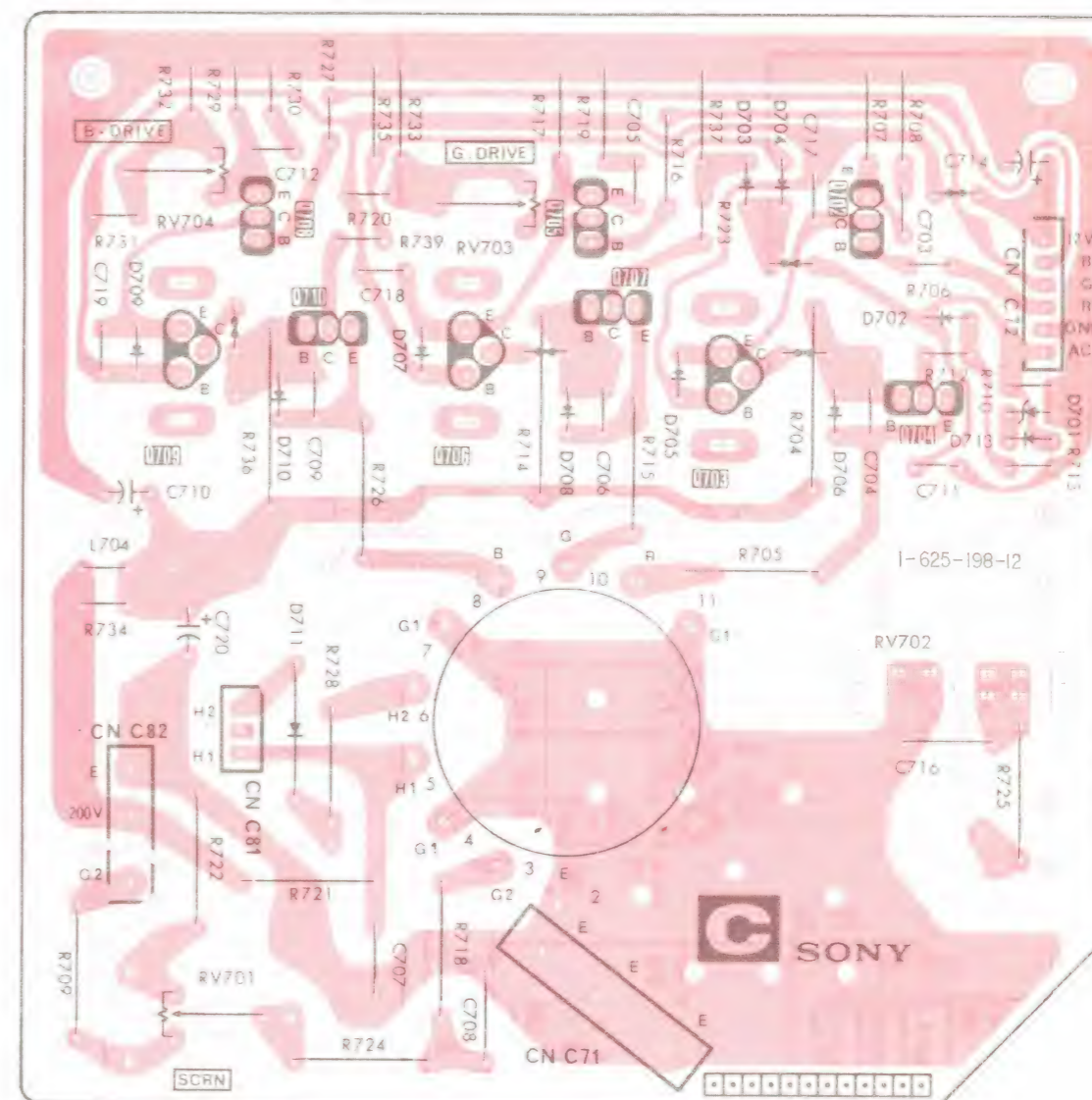
—J₁ Board—



—J₂ Board—



—C Board—



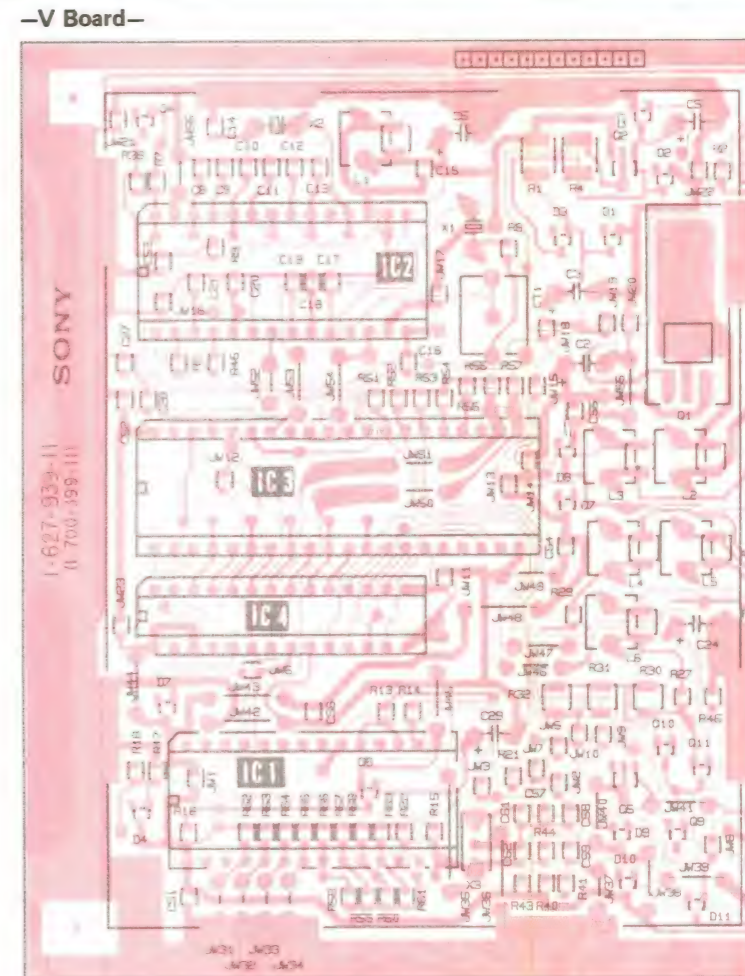
[INTERFACE
PIN CORRECTION CTL]

[HEADPHONE]

[R·G·B OUT]

The image shows a detailed circuit board layout for a Sony device. The board is populated with numerous components, including resistors (R701-R734), capacitors (C701-C718), and integrated circuits (RV701, RV703, RV704). A circular area in the center features pins numbered 1 through 11. The Sony logo is prominently displayed in the lower right. A section labeled 'B-DRIVE' is located in the upper left. The layout is complex, with many traces and labels indicating the placement and connection of components. A 'G DRIVE' section is also visible in the upper center. The board includes a 'SCRN' label at the bottom left and a 'CN C71' label at the bottom center. A '200V' label is present near the bottom left corner. The overall design is typical of a high-quality electronic circuit board from the late 20th century.


PRINTED WIRING BOARDS (4)



	IC 01	MAB8461P-W136	MICRO CTL
	02	SAA5231-V4	VIDEO PROCESSOR
	03	SAA5243E	EURO CCT
	04	TMM2063P-70	8KB STATIC RAM
	Q 01	2SD1761-E	5V REG
	02	2SC2873Y	12V REG
	03	DTC114EK	ST BY
	04	2SC2712G	SYNC BUFF
	05	2SC2873Y	PIC LEVEL
	06	2SC2712G	RESET
	07	2SC2712G	BLK OUT
	09	2SB815B6	B OUT
	10	2SB815B6	G OUT
	11	2SB815B6	R OUT
	D 01	MA3056M-TX	5V REG
	02	MA3130L-TX	12V REG
	03	DAN202K	ST BY
	04	MA3036H-TX	RESET
	07	MA3068M-TX	PROTECT-1
	08	MA3068M-TX	PROTECT-2
	09	DAN202K	PROTECT
	10	DAN202K	PROTECT
	11	DAP202K	PROTECT
	12	DAP202K	PROTECT


- V BOARD W

1




3.5Vp-p (4MHz)

2




0.56Vp-p (8.75 MHz)

3

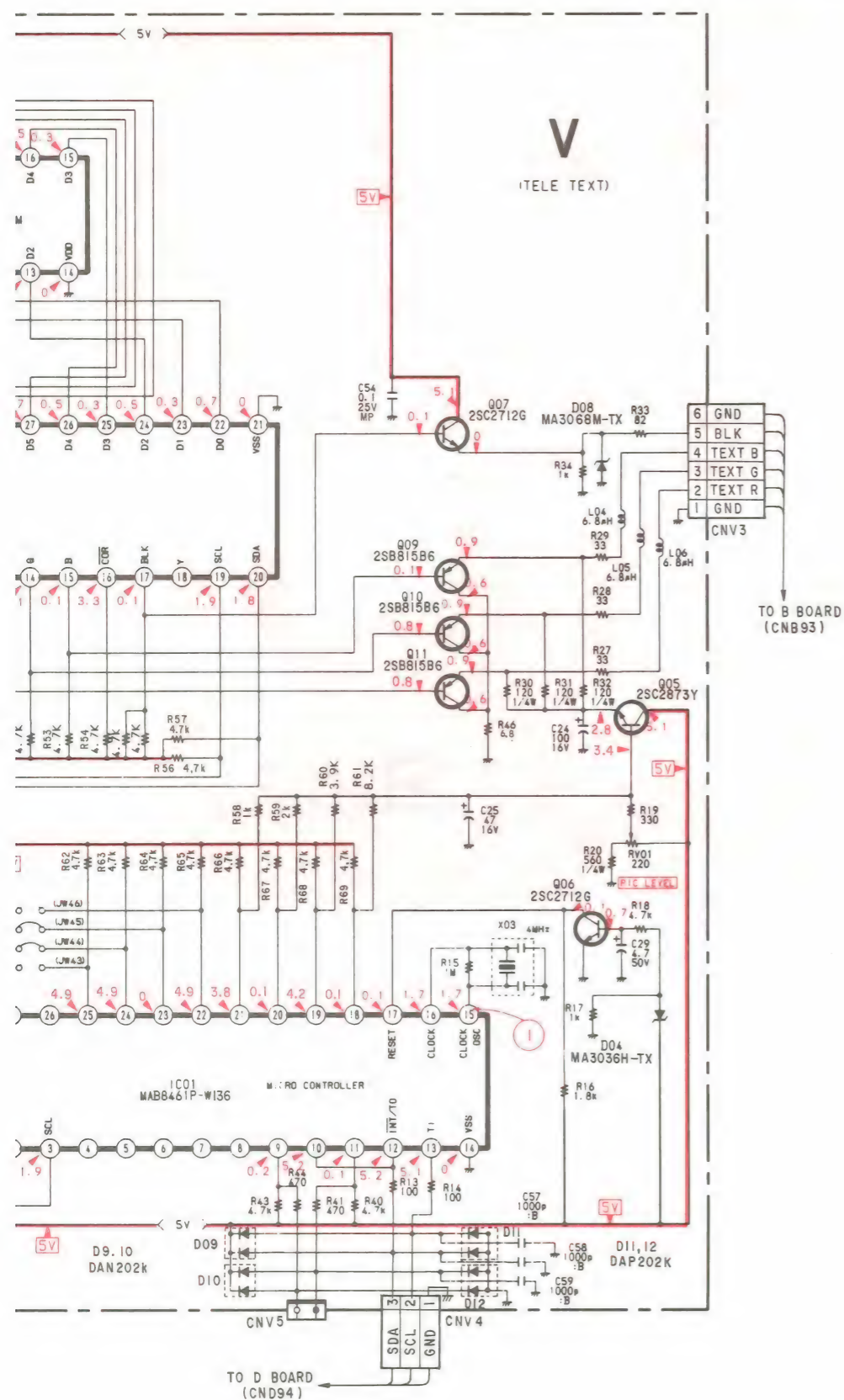


1Vp-p (H)

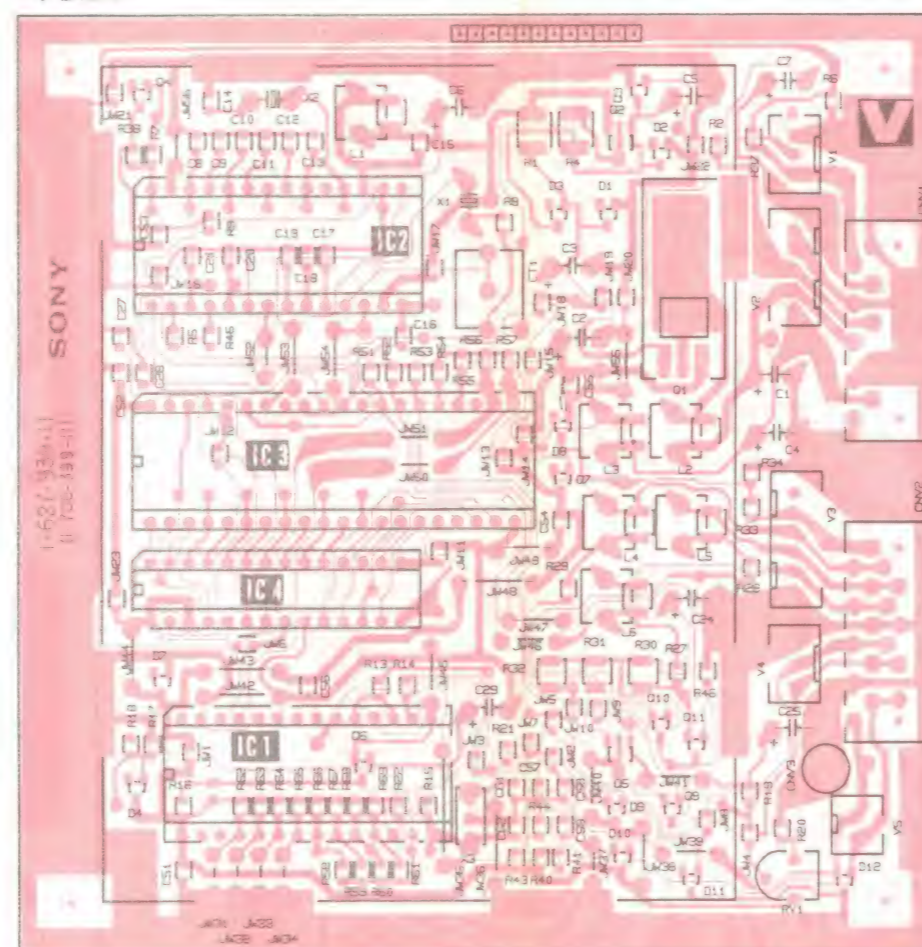
4



1Vp-p (H)

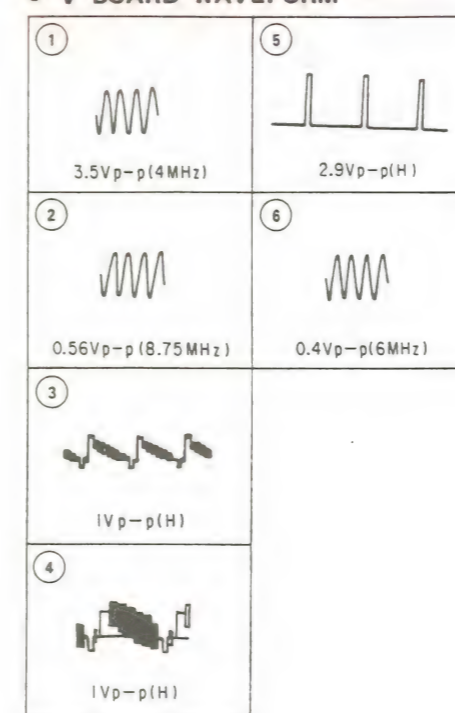


—V Board—



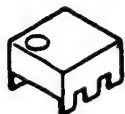
	IC 01	MA88461P-W136	MICRO CTL
	02	SA45231-V4	VIDEO PROCESSOR
	03	SA45243E	EURO CCT
	04	TMM2063P-70	8KB STATIC RAM
	Q 01	2SD1761-E	5V REG
	02	2SC2873Y	12V REG
	03	DTC114EK	ST BY
	04	2SC2712G	SYNC BUFF
	05	2SC2873Y	PIC LEVEL
	06	2SC2712G	RESET
	07	2SC2712G	BLK OUT
	09	2SB8158B	B OUT
	10	2SB8158B	G OUT
	11	2SB8158B	R OUT
	D 01	MA3056M-TX	5V REG
	02	MA3130L-TX	12V REG
	03	DAN202K	ST BY
	04	MA3036H-TX	RESET
	07	MA3068M-TX	PROTECT-1
	08	MA3068M-TX	PROTECT-2
	09	DAN202K	PROTECT
	10	DAN202K	PROTECT
	11	DAP202K	PROTECT
	12	DAP202K	PROTECT

- V BOARD WAVEFORM



5-5. SEMICONDUCTORS

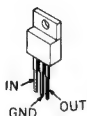
BX-1387



SAA5243E



(Top view)

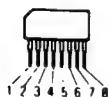
 μ PC78121-12SB1185
2SD1761

ISS119
ISS120
ISS133
RD3.6ES-T1B1
RD3.9ES-T1B1
RD4.7ES-T1B2
RD5.6ES-T1B2
RD5.6ES-T1B3
RD6.2ES-T1B1
RD6.2ES-T1B2
RD7.5ES-T1B3
RD9.1ES-T1B3
RD10ES-T1B1
RD10ES-T1B3
RD11ES-T1B3
RD15ES-T1B1
RD36ES-T1B4

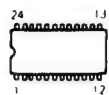
MA3036H-TX
MA3056M-TX
MA3068M-TX
MA3130L-TX



CX20061



TDA2558



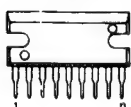
(Top view)

2SA1091
JA101TA
JC501TA2SC2611
2SC2688

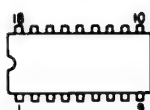
MC921



LA4280



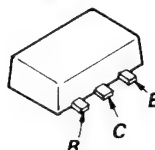
TDA2595



(Top view)

2SC403SP
DTA114ES
DTA144ES
DTC114EK
DTC124ES
DTC144ES

2SC2873Y

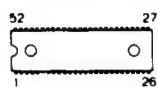


ERD28-06S
ES1F
GP08DPKG23
RGP01-17PKG23
RG10GPKG23

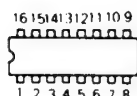
MC931



M50436-614SP



(Top view)

TDA3541
TDA8442
TEA2164

(Top view)

2SA1175
2SC2785

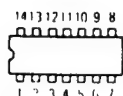
2SD1548



SE303AY



M58655P



TOP VIEW

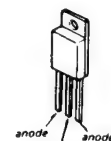
TDA8170

2SB734
2SD774

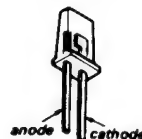
2SD1941



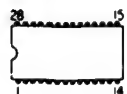
CTU-12S



SR632D



MAB8461P-W136
TDA4555
TDA4580
TDA6200
TDA6600
TEA2028B
TMM2063P-70
SAA5231



(Top view)

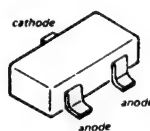
TEA2014A
TEA2031A

(Top view)

2SD789



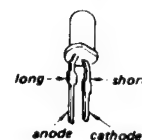
DAN202K



ERC06-15S
ERC25-06S
ERD29-08J



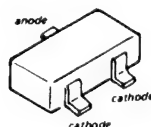
TLR124



MB88503H-597G

 μ PC574J2SB815B6
2SC2712

DAP202K



KBU-4JL



SECTION 6 EXPLODED VIEWS

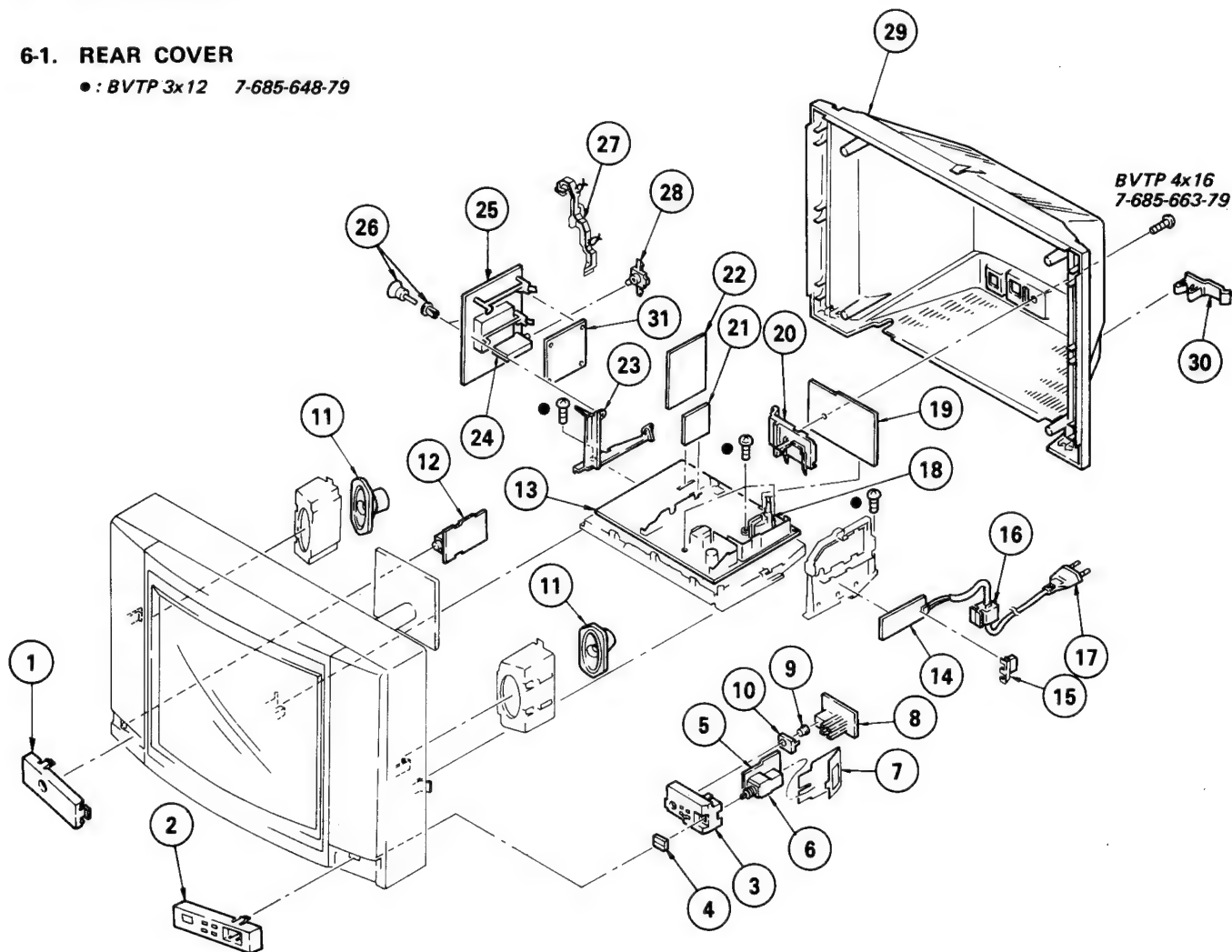
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

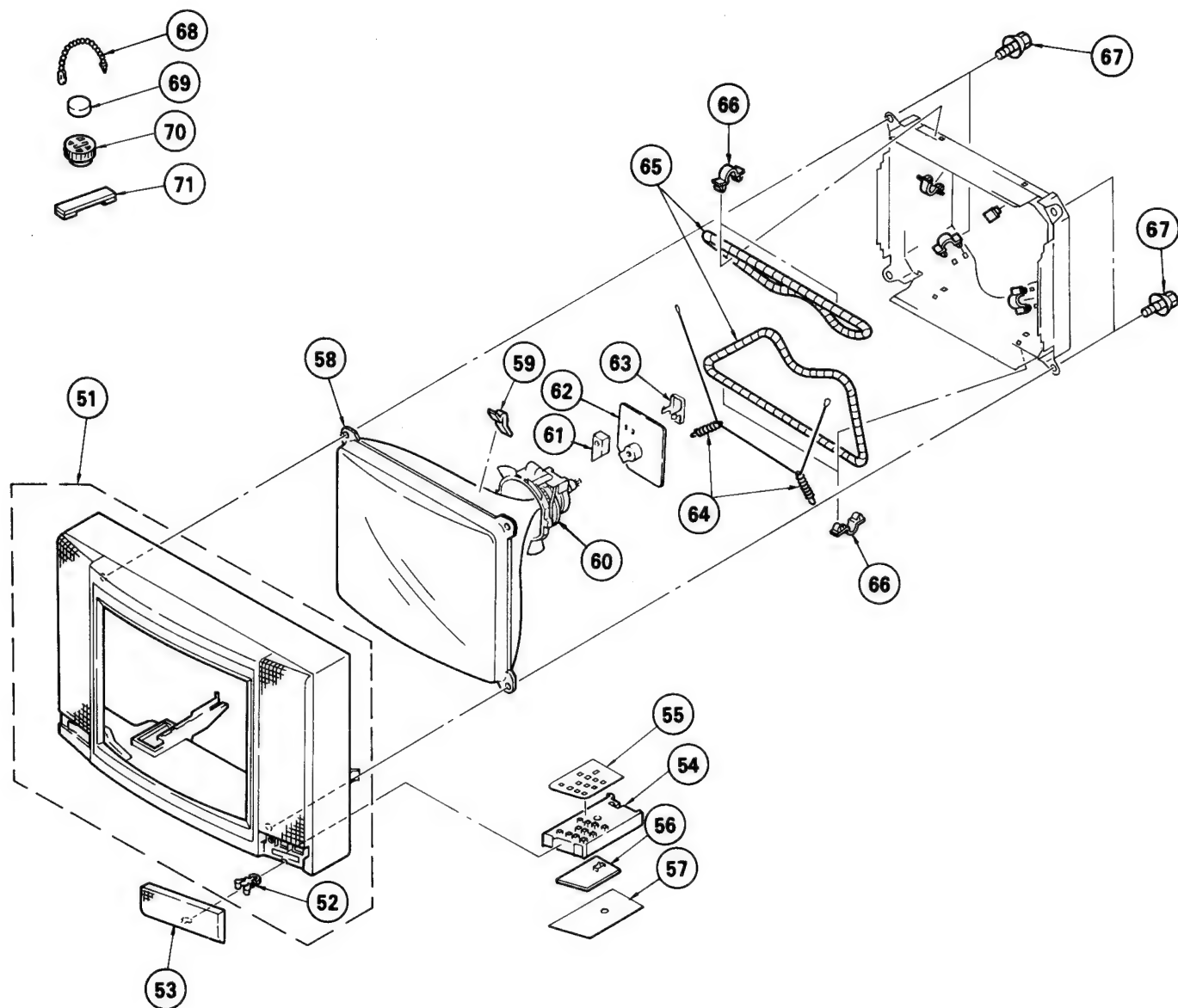
6-1. REAR COVER

•: BVTP 3x12 7-685-648-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	4-389-112-01	PLATE (B) (BLACK)		15	*4-386-620-01	COVER, POWER	
	4-389-112-11	PLATE (B) (GRAY)		16	Δ 4-389-201-01	HOLDER, AC CORD	
2	X-4389-101-1	PLATE (A) ASSY (BLACK)		17	Δ 1-559-346-11	CORD, POWER (WITH CONNECTOR) (AEP ONLY)	
	X-4389-101-2	PLATE (A) ASSY (GRAY)			Δ 1-559-912-12	CORD, POWER (WITH CONNECTOR) (AUS ONLY)	
3	*4-389-124-01	PANEL, POWER SWITCH		18	Δ 1-439-416-11	TRANSFORMER ASSY, FLYBACK	
4	4-389-106-01	BUTTON, POWER (BLACK)		19	*A-1371-335-A	J1 BOARD, COMPLETE	
	4-389-106-11	BUTTON, POWER (GRAY)		20	*4-386-624-11	BRACKET, J	
5	*1-625-200-11	F2 BOARD		21	*1-625-206-11	KS BOARD	
6	Δ 1-571-410-11	SWITCH, PUSH (AC POWER) (1 KEY)		22	*A-1135-498-A	B BOARD, COMPLETE	
7	*4-387-804-01	INSULATOR		23	*4-386-629-12	BRACKET, A	
8	*1-625-204-11	H8 BOARD		24	Δ 1-465-053-11	TUNER, ET (UV-615S)	
9	*4-374-087-01	GUIDE, LIGHT		25	*A-1296-476-A	A BOARD, COMPLETE	
10	*4-388-955-01	BRACKET (B), LIGHT GUIDE		26	4-386-618-01	RIVET, T TYPE	
11	1-503-642-41	SPEAKER		27	*4-386-628-11	SUPPORTER, PC BOARD	
12	*1-625-205-11	J2 BOARD		28	*4-386-617-01	HOLDER, TERMINAL	
13	*A-1345-720-A	D BOARD, COMPLETE		29	4-389-156-01	COVER, REAR	
14	*1-625-199-11	F1 BOARD		30	4-329-127-00	CLAMP, CORD	
				31	*A-1347-030-A	V BOARD, COMPLETE	

6-2. PICTURE TUBE



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	X-4389-114-1	CABINET ASSY (BLACK)		61	*4-379-167-01	COVER (MAIN), CV	
	X-4389-114-2	CABINET ASSY (GRAY)		62	*A-1330-849-A	C BOARD, COMPLETE	
52	4-374-714-01	CATCH, PUSH	52	63	*4-379-160-01	COVER (REAR LID), CV	
53	X-4389-102-1	COVER ASSY, ORNAMENTAL (BLACK)		64	4-303-774-XX	SPRING	
	X-4389-102-2	COVER ASSY, ORNAMENTAL (GRAY)		65	▲ 1-426-372-11	COIL, DEMAGNETIZATION	
54	4-389-123-01	PANEL, CONTROL		66	*4-385-916-01	HOLDER (D)	
55	4-389-109-11	LABEL, CONTROL		67	4-373-263-11	SCREW (M), PT	
56	*1-625-203-11	H7 BOARD		68	4-308-870-00	CLIP, LEAD WIRE	
57	*4-389-103-01	COVER, H7		69	1-452-032-00	MAGNET, DISK; 10MM ϕ	
58	▲ 8-733-224-05	PICTURE TUBE (A59JWC60X) (AEP ONLY)		70	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
	▲ 8-733-225-05	PICTURE TUBE (A59JWB10X) (AUS ONLY)		71	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
59	3-703-961-01	SPACER, DY					
60	▲ 1-451-311-21	DEFLECTION YOKE (SY-178)					


The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

SECTION 7

ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS

- MF : μF , PF : $\mu\mu F$

COILS

- MMH : mH, UH : μ H

Note: In this parts list, the mounting diagram is for a different product.

Therefore, an excess of parts is listed.

RESISTORS

- All resistors are in ohms
- F : nonflammable

REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
*A-1135-498-A B BOARD, COMPLETE *****							C358	1-124-963-11	ELECT	33MF	20%	16V	
							C359	1-102-963-00	CERAMIC	33PF	5%	50V	
							C360	1-101-004-00	CERAMIC	0.01MF		50V	
							C361	1-101-004-00	CERAMIC	0.01MF		50V	
<CAPACITOR>													
C301	1-106-228-00	MYLAR	0.22MF	10%	100V		C364	1-101-361-00	CERAMIC	150PF	5%	50V	
C302	1-106-228-00	MYLAR	0.22MF	10%	100V		C365	1-124-477-11	ELECT	47MF	20%	16V	
C303	1-126-101-11	ELECT	100MF	20%	16V		C366	1-124-477-11	ELECT	47MF	20%	16V	
C304	1-106-228-00	MYLAR	0.22MF	10%	100V		C367	1-101-004-00	CERAMIC	0.01MF		50V	
C305	1-124-119-00	ELECT	330MF	20%	16V		C368	1-101-880-00	CERAMIC	47PF	5%	50V	
C306	1-124-902-00	ELECT	0.47MF	20%	50V		C381	1-124-902-00	ELECT	0.47MF	20%	50V	
C307	1-124-902-00	ELECT	0.47MF	20%	50V		C382	1-124-927-11	ELECT	4.7MF	20%	50V	
C308	1-124-902-00	ELECT	0.47MF	20%	50V		C384	1-124-477-11	ELECT	47MF	20%	16V	
C309	1-124-902-00	ELECT	0.47MF	20%	50V		C385	1-124-927-11	ELECT	4.7MF	20%	50V	
C310	1-106-220-00	MYLAR	0.1MF	10%	100V		C387	1-124-902-00	ELECT	0.47MF	20%	50V	
C311	1-106-220-00	MYLAR	0.1MF	10%	100V		C1311	1-101-884-00	CERAMIC	56PF	5%	50V	
C312	1-124-902-00	ELECT	0.47MF	20%	50V								
C313	1-124-902-00	ELECT	0.47MF	20%	50V								
C314	1-124-902-00	ELECT	0.47MF	20%	50V								
C315	1-124-499-11	ELECT	1MF	20%	50V								
C319	1-124-477-11	ELECT	47MF	20%	16V								
C321	1-102-980-00	CERAMIC	270PF	5%	50V								
C322	1-101-888-00	CERAMIC	68PF	5%	50V								
C325	1-124-477-11	ELECT	47MF	20%	16V								
C326	1-101-004-00	CERAMIC	0.01MF		50V								
C327	1-101-004-00	CERAMIC	0.01MF		50V								
C330	1-101-004-00	CERAMIC	0.01MF		50V								
C331	1-124-963-11	ELECT	33MF	20%	16V								
C332	1-124-119-00	ELECT	330MF	20%	16V								
C333	1-101-005-00	CERAMIC	0.022MF		50V								
C334	1-101-884-00	CERAMIC	56PF	5%	50V								
C335	1-101-006-00	CERAMIC	0.047MF		50V								
C336	1-106-367-00	MYLAR	0.01MF	10%	400V								
C337	1-101-004-00	CERAMIC	0.01MF		50V								
C338	1-101-888-00	CERAMIC	68PF	5%	50V								
C339	1-102-816-00	CERAMIC	120PF	5%	50V								
C340	1-102-953-00	CERAMIC	18PF	5%	50V								
C341	1-102-978-00	CERAMIC	220PF	5%	50V								
C342	1-102-953-00	CERAMIC	18PF	5%	50V								
C343	1-102-816-00	CERAMIC	120PF	5%	50V								
C344	1-101-888-00	CERAMIC	68PF	5%	50V								
C345	1-102-978-00	CERAMIC	220PF	5%	50V								
C346	1-102-074-00	CERAMIC	0.001MF	10%	50V								
C347	1-124-499-11	ELECT	1MF	20%	50V								
C348	1-124-499-11	ELECT	1MF	20%	50V								
C349	1-136-173-00	FILM	0.47MF	5%	50V								
C350	1-106-383-00	MYLAR	0.047MF	10%	100V								
C351	1-106-375-12	MYLAR	0.022MF	10%	250V								
C352	1-106-375-12	MYLAR	0.022MF	10%	250V								
C354	1-102-074-00	CERAMIC	0.001MF	10%	50V								
C357	1-102-965-00	CERAMIC	39PF	5%	50V								
								</					

B

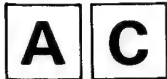
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<COIL>							
L301	1-410-868-21	INDUCTOR	4.7UH	R329	1-249-397-11	CARBON	22 5% 1/4W
L302	1-410-868-21	INDUCTOR	4.7UH	R330	1-249-397-11	CARBON	22 5% 1/4W
L303	1-408-408-00	INDUCTOR	8.2UH	R331	1-249-418-11	CARBON	1.2K 5% 1/4W
L304	1-408-409-00	INDUCTOR	10UH	R332	1-249-401-11	CARBON	47 5% 1/4W
L331	1-408-408-00	INDUCTOR	8.2UH	R333	1-249-412-11	CARBON	390 5% 1/4W
L332	1-404-539-11	COIL		R334	1-249-408-11	CARBON	180 5% 1/4W
L333	1-404-554-11	COIL		R335	1-249-415-11	CARBON	680 5% 1/4W
L334	1-404-554-11	COIL		R336	1-249-418-11	CARBON	1.2K 5% 1/4W
L335	1-404-554-11	COIL		R337	1-247-848-11	CARBON	5.1K 5% 1/4W
L336	1-408-417-00	INDUCTOR	47UH	R338	1-249-429-11	CARBON	10K 5% 1/4W
L338	1-408-416-00	INDUCTOR	39UH	R339	1-249-409-11	CARBON	220 5% 1/4W
L339	1-410-868-21	INDUCTOR	4.7UH	R340	1-249-437-11	CARBON	47K 5% 1/4W
<TRANSISTOR>				R341	1-249-410-11	CARBON	270 5% 1/4W
Q302	8-729-178-54	TRANSISTOR	2SC2785	R342	1-249-429-11	CARBON	10K 5% 1/4W
Q303	8-729-178-54	TRANSISTOR	2SC2785	R343	1-249-429-11	CARBON	10K 5% 1/4W
Q305	8-729-900-36	TRANSISTOR	DTC124ES	R344	1-249-437-11	CARBON	47K 5% 1/4W
Q306	8-729-178-54	TRANSISTOR	2SC2785	R346	1-249-419-11	CARBON	1.5K 5% 1/4W
Q311	8-729-178-54	TRANSISTOR	2SC2785	R347	1-249-429-11	CARBON	10K 5% 1/4W
Q312	8-729-178-54	TRANSISTOR	2SC2785	R348	1-249-437-11	CARBON	47K 5% 1/4W
Q313	8-729-178-54	TRANSISTOR	2SC2785	R349	1-249-415-11	CARBON	680 5% 1/4W
Q316	8-729-178-54	TRANSISTOR	2SC2785	R350	1-249-415-11	CARBON	680 5% 1/4W
Q331	8-729-178-54	TRANSISTOR	2SC2785	R351	1-249-409-11	CARBON	220 5% 1/4W
Q332	8-729-900-36	TRANSISTOR	DTC124ES	R352	1-247-891-00	CARBON	330K 5% 1/4W
Q333	8-729-900-36	TRANSISTOR	DTC124ES	R353	1-247-891-00	CARBON	330K 5% 1/4W
Q334	8-729-178-54	TRANSISTOR	2SC2785	R354	1-249-409-11	CARBON	220 5% 1/4W
Q335	8-729-178-54	TRANSISTOR	2SC2785	R355	1-249-423-11	CARBON	3.3K 5% 1/4W
Q336	8-729-178-54	TRANSISTOR	2SC2785	R356	1-249-427-11	CARBON	6.8K 5% 1/4W
Q381	8-729-900-36	TRANSISTOR	DTC124ES	R358	1-249-409-11	CARBON	220 5% 1/4W
Q382	8-729-178-54	TRANSISTOR	2SC2785	R359	1-249-437-11	CARBON	47K 5% 1/4W
Q1306	8-729-117-54	TRANSISTOR	2SA1175	R360	1-249-437-11	CARBON	47K 5% 1/4W
<RESISTOR>				R361	1-249-418-11	CARBON	1.2K 5% 1/4W
R301	1-249-409-11	CARBON	220 5% 1/4W	R363	1-249-410-11	CARBON	270 5% 1/4W
R302	1-249-409-11	CARBON	220 5% 1/4W	R364	1-249-417-11	CARBON	1K 5% 1/4W
R303	1-249-409-11	CARBON	220 5% 1/4W	R365	1-249-417-11	CARBON	1K 5% 1/4W
R304	1-249-409-11	CARBON	220 5% 1/4W	R367	1-249-409-11	CARBON	220 5% 1/4W
R305	1-249-421-11	CARBON	2.2K 5% 1/4W	R368	1-249-417-11	CARBON	1K 5% 1/4W
R307	1-249-441-11	CARBON	100K 5% 1/4W	R369	1-249-417-11	CARBON	1K 5% 1/4W
R308	1-249-414-11	CARBON	560 5% 1/4W	R370	1-249-418-11	CARBON	1.2K 5% 1/4W
R309	1-249-405-11	CARBON	100 5% 1/4W	R371	1-249-417-11	CARBON	1K 5% 1/4W
R310	1-249-405-11	CARBON	100 5% 1/4W	R376	1-249-429-11	CARBON	10K 5% 1/4W
R311	1-249-405-11	CARBON	100 5% 1/4W	R378	1-249-441-11	CARBON	100K 5% 1/4W
R312	1-249-409-11	CARBON	220 5% 1/4W	R379	1-249-441-11	CARBON	100K 5% 1/4W
R313	1-249-433-11	CARBON	22K 5% 1/4W	R380	1-249-426-11	CARBON	5.6K 5% 1/4W
R314	1-249-413-11	CARBON	470 5% 1/4W	R381	1-249-439-11	CARBON	68K 5% 1/4W
R315	1-249-407-11	CARBON	150 5% 1/4W	R382	1-247-885-00	CARBON	180K 5% 1/4W
R316	1-249-407-11	CARBON	150 5% 1/4W	R383	1-247-893-11	CARBON	390K 5% 1/4W
R317	1-249-407-11	CARBON	150 5% 1/4W	R385	1-249-435-11	CARBON	33K 5% 1/4W
R318	1-249-429-11	CARBON	10K 5% 1/4W	R389	1-247-883-00	CARBON	150K 5% 1/4W
R319	1-249-409-11	CARBON	220 5% 1/4W	R391	1-249-404-00	CARBON	82 5% 1/4W
R320	1-249-417-11	CARBON	1K 5% 1/4W	R392	1-249-402-11	CARBON	56 5% 1/4W
R321	1-249-421-11	CARBON	2.2K 5% 1/4W	R393	1-249-402-11	CARBON	56 5% 1/4W
R322	1-249-420-11	CARBON	1.8K 5% 1/4W	R394	1-249-402-11	CARBON	56 5% 1/4W
R323	1-249-421-11	CARBON	2.2K 5% 1/4W	R398	1-249-433-11	CARBON	22K 5% 1/4W
R324	1-249-426-11	CARBON	5.6K 5% 1/4W	R1324	1-249-419-11	CARBON	1.5K 5% 1/4W
R325	1-249-429-11	CARBON	10K 5% 1/4W	<VARIABLE RESISTOR>			
R326	1-249-419-11	CARBON	1.5K 5% 1/4W	RV331	1-230-504-11	RES, ADJ, CARBON 220	
R327	1-249-427-11	CARBON	6.8K 5% 1/4W	<TRANSFORMER>			
R328	1-249-397-11	CARBON	22 5% 1/4W	T331	1-404-584-11	COIL	

B **F1** **F2** **A**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<CRYSTAL>				*A-1296-476-A A BOARD, COMPLETE *****			
X331	1-567-307-11	OSCILLATOR, CRYSTAL		Δ 1-465-053-11 TUNER, ET (UV-615S)			
X332	1-567-131-00	OSCILLATOR, CRYSTAL		*4-380-698-01	CASE (MAIN), SHIELD, A1		
*****				*4-380-699-01	CASE (UPPER LID), SHIELD, A1		
*1-625-199-11 F1 BOARD *****				*4-382-701-01	CASE (BOTTOM LID), SHIELD, A2		
<CAPACITOR>				<CAPACITOR>			
C1601 Δ	1-136-518-11	FILM	0.33MF 20% 300V	C101	1-126-233-11	ELECT	22MF 20% 50V
C1602 Δ	1-136-519-11	FILM	0.47MF 20% 300V	C102	1-126-103-11	ELECT	470MF 20% 16V
C1603 Δ	1-162-578-51	CERAMIC	0.0047MF 20% 400V	C103	1-106-220-00	MYLAR	0.1MF 10% 100V
C1604 Δ	1-162-578-51	CERAMIC	0.0047MF 20% 400V	C104	1-106-216-00	MYLAR	0.068MF 10% 100V
C1605 Δ	1-162-578-51	CERAMIC	0.0047MF 20% 400V	C105	1-106-216-00	MYLAR	0.068MF 10% 100V
C1606 Δ	1-162-578-51	CERAMIC	0.0047MF 20% 400V	C106	1-101-004-00	CERAMIC	0.01MF 50V
C1607 Δ	1-161-964-61	CERAMIC	0.0047MF 250V	C107	1-102-963-00	CERAMIC	33PF 5% 50V
<CONNECTOR>				C108	1-124-963-11	ELECT	33MF 20% 16V
CNF61	*1-566-664-11	PIN, CONNECTOR 4P		C109	1-101-003-00	CERAMIC	0.0047MF 50V
CNF64	*1-506-348-XX	PIN, CONNECTOR 3P		C110	1-124-499-11	ELECT	1MF 20% 50V
CNF65	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		C111	1-101-003-00	CERAMIC	0.0047MF 50V
CNF66	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		C112	1-101-003-00	CERAMIC	0.0047MF 50V
CNF67	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		C113	1-101-003-00	CERAMIC	0.0047MF 50V
CNF162	*1-506-348-XX	PIN, CONNECTOR 4P		C114	1-124-963-11	ELECT	33MF 20% 16V
<FUSE>				C118	1-101-880-00	CERAMIC	47PF 5% 50V
F1601 Δ	1-532-350-11	FUSE, TIME-LAG 4A/250V		C119	1-126-101-11	ELECT	100MF 20% 16V
	1-533-087-00	HOLDER, FUSE; F1601		C120	1-124-925-11	ELECT	2.2MF 20% 50V
<FILTER>				C121	1-101-003-00	CERAMIC	0.0047MF 50V
LF1601 Δ	1-421-866-12	LFT		C122	1-101-003-00	CERAMIC	0.0047MF 50V
LF1602 Δ	1-421-776-11	LFT		C123	1-101-003-00	CERAMIC	0.0047MF 50V
LF1603 Δ	1-421-592-11	TRANSFORMER, FERRITE		C124	1-101-888-00	CERAMIC	68PF 5% 50V
<RESISTOR>				C125	1-101-888-00	CERAMIC	68PF 5% 50V
R1601 Δ	1-215-192-81	METAL	47K 5% 1/4W	C127	1-101-003-00	CERAMIC	0.0047MF 50V
R1602 Δ	1-244-945-91	CARBON	1M 5% 1/2W	C128	1-124-963-11	ELECT	33MF 20% 16V
R1603 Δ	1-217-328-11	WIREWOUND	2.7 10% 7W F	C129	1-101-888-00	CERAMIC	68PF 5% 50V
R1604 Δ	1-215-192-81	METAL	47K 5% 1/4W	C130	1-101-004-00	CERAMIC	0.01MF 50V
R1605 Δ	1-247-289-11	CARBON	8.2M 5% 1W	C131	1-101-006-00	CERAMIC	0.047MF 50V
<THERMISTOR>				C132	1-124-499-11	ELECT	1MF 20% 50V
THP601 Δ	1-808-059-31	THERMISTOR, POSITIVE		C133	1-101-003-00	CERAMIC	0.0047MF 50V
*****				C134	1-124-499-11	ELECT	1MF 20% 50V
*1-625-200-11 F2 BOARD *****				C135	1-101-004-00	CERAMIC	0.01MF 50V
1-506-348-XX PIN, CONNECTOR 4P				C136	1-101-006-00	CERAMIC	0.047MF 50V
<SWITCH>				C137	1-101-880-00	CERAMIC	47PF 5% 50V
S1701 Δ	1-571-410-11	SWITCH, PUSH (AC POWER) (1 KEY)		C138	1-124-925-11	ELECT	2.2MF 20% 50V
*****				C139	1-123-875-11	ELECT	10MF 20% 50V
				C140	1-108-614-11	MYLAR	0.001MF 10% 100V
				C141	1-136-298-00	FILM	0.0033MF 2% 100V
				C142	1-102-816-00	CERAMIC	120PF 5% 50V
				C143	1-101-361-00	CERAMIC	150PF 5% 50V
				C144	1-124-477-11	ELECT	47MF 20% 16V
				C145	1-124-477-11	ELECT	47MF 20% 16V
				C146	1-124-477-11	ELECT	47MF 20% 16V
				C147	1-124-477-11	ELECT	47MF 20% 16V
				C148	1-123-875-11	ELECT	10MF 20% 50V
				C149	1-136-153-00	FILM	0.01MF 5% 50V
				C150	1-136-153-00	FILM	0.01MF 5% 50V
				C151	1-126-233-11	ELECT	22MF 20% 50V
				C152	1-126-233-11	ELECT	22MF 20% 50V
				C153	1-136-165-00	FILM	0.1MF 5% 50V
				C154	1-136-169-00	FILM	0.22MF 5% 50V
				C155	1-124-963-11	ELECT	33MF 20% 16V
				C156	1-136-157-00	FILM	0.022MF 5% 50V
				C157	1-136-161-00	FILM	0.047MF 5% 50V
				C158	1-124-963-11	ELECT	33MF 20% 16V

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C159	1-124-477-11	ELECT	47MF	20%	16V		
C161	1-124-477-11	ELECT	47MF	20%	16V		
C162	1-102-816-00	CERAMIC	120PF	5%	50V		
C163	1-124-927-11	ELECT	4.7MF	20%	50V		
C164	1-106-367-00	MYLAR	0.01MF	10%	400V		
C165	1-136-287-11	FILM	0.0047MF	5%	50V		
C167	1-124-499-11	ELECT	1MF	20%	50V		
C168	1-106-228-00	MYLAR	0.22MF	10%	100V		
C169	1-123-875-11	ELECT	10MF	20%	50V		
C174	1-124-499-11	ELECT	1MF	20%	50V		
C177	1-102-119-00	CERAMIC	0.0015MF	10%	50V		
C187	1-101-003-00	CERAMIC	0.0047MF		50V		
C188	1-124-963-11	ELECT	33MF	20%	16V		
C189	1-124-963-11	ELECT	33MF	20%	16V		
C190	1-106-220-00	MYLAR	0.1MF	10%	100V		
<FILTER>							
CD102	1-404-745-11	DISCRIMINATOR, CERAMIC					
CD103	1-404-746-11	DISCRIMINATOR, CERAMIC					
CF101	1-404-134-00	TRAP, CERAMIC (5.5MHZ)					
CF103	1-527-840-00	FILTER, CERAMIC					
CF104	1-527-839-00	FILTER, CERAMIC					
<CONNECTOR>							
CNA11	*1-566-659-11	CONNECTOR, HINGE (SOCKET) 18P					
<DIODE>							
D105	8-719-109-92	DIODE RD6.2ES-B1					
D106	8-719-911-19	DIODE ISS119					
D108	8-719-000-06	DIODE MC921					
D110	8-719-911-19	DIODE ISS119					
D111	8-719-109-68	DIODE RD3.6ES-B1					
<IC>							
IC101	8-759-909-08	IC TDA3541					
IC102	8-759-973-86	IC TDA2558					
IC103	8-759-013-18	IC TDA6600					
IC104	8-759-946-99	IC TDA2595-V7					
<COIL>							
L101	1-408-226-00	INDUCTOR	82UH				
L102	1-410-116-11	INDUCTOR	0.56MMH				
L103	1-408-406-00	INDUCTOR	5.6UH				
L104	1-408-411-00	INDUCTOR	15UH				
L106	1-408-415-00	INDUCTOR	33UH				
L107	1-408-406-00	INDUCTOR	5.6UH				
L108	1-408-412-00	INDUCTOR	18UH				
L109	1-408-412-00	INDUCTOR	18UH				
L110	1-410-064-11	INDUCTOR	2.7MMH				
L111	1-408-421-00	INDUCTOR	100UH				
L113	1-408-399-00	INDUCTOR	1.5UH				
<TRANSISTOR>							
Q101	8-729-900-61	TRANSISTOR DTA114ES					
Q102	8-729-900-61	TRANSISTOR DTA114ES					
Q103	8-729-900-61	TRANSISTOR DTA114ES					
Q104	8-729-900-61	TRANSISTOR DTA114ES					
Q105	8-729-178-54	TRANSISTOR 2SC2785					
Q106	8-729-178-54	TRANSISTOR 2SC2785					
Q107	8-729-117-54	TRANSISTOR 2SA1175					
Q108	8-729-900-65	TRANSISTOR DTA144ES					
Q109	8-729-900-89	TRANSISTOR DTC144ES					
Q110	8-729-117-54	TRANSISTOR 2SA1175					
Q111	8-729-900-89	TRANSISTOR DTC144ES					
Q112	8-729-178-54	TRANSISTOR 2SC2785					
Q113	8-729-178-54	TRANSISTOR 2SC2785					
Q116	8-729-900-65	TRANSISTOR DTA144ES					
Q117	8-729-117-54	TRANSISTOR 2SA1175					
<RESISTOR>							
R101	1-249-405-11	CARBON	100	5%	1/4W		
R102	1-249-423-11	CARBON	3.3K	5%	1/4W		
R103	1-249-433-11	CARBON	22K	5%	1/4W		
R104	1-249-429-11	CARBON	10K	5%	1/4W		
R105	1-249-418-11	CARBON	1.2K	5%	1/4W		
R106	1-247-891-00	CARBON	330K	5%	1/4W		
R107	1-249-421-11	CARBON	2.2K	5%	1/4W		
R108	1-249-421-11	CARBON	2.2K	5%	1/4W		
R109	1-249-423-11	CARBON	3.3K	5%	1/4W		
R110	1-249-410-11	CARBON	270	5%	1/4W		
R111	1-249-418-11	CARBON	1.2K	5%	1/4W		
R112	1-249-421-11	CARBON	2.2K	5%	1/4W		
R114	1-249-413-11	CARBON	470	5%	1/4W		
R115	1-249-413-11	CARBON	470	5%	1/4W		
R116	1-249-419-11	CARBON	1.5K	5%	1/4W		
R117	1-249-431-11	CARBON	15K	5%	1/4W		
R118	1-249-425-11	CARBON	4.7K	5%	1/4W		
R119	1-249-417-11	CARBON	1K	5%	1/4W		
R121	1-249-429-11	CARBON	10K	5%	1/4W		
R122	1-249-436-11	CARBON	39K	5%	1/4W		
R123	1-249-417-11	CARBON	1K	5%	1/4W		
R124	1-249-423-11	CARBON	3.3K	5%	1/4W		
R125	1-249-429-11	CARBON	10K	5%	1/4W		
R126	1-249-436-11	CARBON	39K	5%	1/4W		
R127	1-249-432-11	CARBON	18K	5%	1/4W		
R128	1-249-432-11	CARBON	18K	5%	1/4W		
R129	1-249-429-11	CARBON	10K	5%	1/4W		
R130	1-249-429-11	CARBON	10K	5%	1/4W		
R132	1-249-414-11	CARBON	560	5%	1/4W		
R133	1-249-425-11	CARBON	4.7K	5%	1/4W		
R134	1-249-414-11	CARBON	560	5%	1/4W		
R135	1-249-419-11	CARBON	1.5K	5%	1/4W		
R136	1-249-414-11	CARBON	560	5%	1/4W		
R137	1-249-414-11	CARBON	560	5%	1/4W		
R138	1-249-419-11	CARBON	1.5K	5%	1/4W		
R139	1-249-431-11	CARBON	15K	5%	1/4W		
R140	1-249-441-11	CARBON	100K	5%	1/4W		
R141	1-249-425-11	CARBON	4.7K	5%	1/4W		
R142	1-249-441-11	CARBON	100K	5%	1/4W		
R143	1-249-441-11	CARBON	100K	5%	1/4W		
R144	1-249-422-11	CARBON	2.7K	5%	1/4W		
R146	1-249-424-11	CARBON	3.9K	5%	1/4W		
R148	1-249-413-11	CARBON	470	5%	1/4W		
R150	1-249-423-11	CARBON	3.3K	5%	1/4W		
R151	1-249-423-11	CARBON	3.3K	5%	1/4W		
R152	1-249-431-11	CARBON	15K	5%	1/4W		
R153	1-249-416-11	CARBON	820	5%	1/4W		
R154	1-249-441-11	CARBON	100K	5%	1/4W		
R155	1-249-430-11	CARBON	12K	5%	1/4W		
R156	1-247-881-00	CARBON	120K	5%	1/4W		
R163	1-249-424-11	CARBON	3.9K	5%	1/4W		
R165	1-249-423-11	CARBON	3.3K	5%	1/4W		



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R166	1-249-437-11	CARBON 47K 5% 1/4W					
R174	1-249-429-11	CARBON 10K 5% 1/4W					
R175	1-249-429-11	CARBON 10K 5% 1/4W					
R188	1-249-419-11	CARBON 1.5K 5% 1/4W					
R189	1-249-419-11	CARBON 1.5K 5% 1/4W					
<VARIABLE RESISTOR>							
RV101	1-237-753-11	RES, ADJ, CARBON 47K					
RV102	1-237-751-11	RES, ADJ, CARBON 10K					
RV103	1-237-753-11	RES, ADJ, CARBON 47K					
<TRANSFORMER>							
T101	1-404-493-00	COIL					
T102	1-404-493-00	COIL					
T103	1-404-493-00	COIL					

*A-1330-849-A C BOARD, COMPLETE							

*4-379-160-01 COVER (REAR LID), CV							
*4-379-167-01 COVER (MAIN), CV							
*4-386-664-01 SPRING							
<CAPACITOR>							
C703	1-102-980-00	CERAMIC 270PF 5% 50V					
C704	1-102-116-00	CERAMIC 680PF 10% 50V					
C705	1-102-978-00	CERAMIC 220PF 5% 50V					
C706	1-102-116-00	CERAMIC 680PF 10% 50V					
C707	1-162-116-00	CERAMIC 680PF 10% 2KV					
C708	1-162-114-00	CERAMIC 0.0047MF 2KV					
C709	1-102-116-00	CERAMIC 680PF 10% 50V					
C710	1-123-947-00	ELECT 10MF 20% 250V					
C711	1-101-880-00	CERAMIC 47PF 5% 50V					
C712	1-102-980-00	CERAMIC 270PF 5% 50V					
C714	1-124-360-00	ELECT 1000MF 20% 16V					
C716	1-162-622-11	CERAMIC 330PF 10% 400V					
C717	1-102-114-00	CERAMIC 470PF 10% 50V					
C718	1-102-114-00	CERAMIC 470PF 10% 50V					
C719	1-102-114-00	CERAMIC 470PF 10% 50V					
<CONNECTOR>							
CNC71	*1-506-371-00	PIN, CONNECTOR 2P					
CNC72	*1-564-883-11	PLUG, CONNECTOR 6P					
CNC81	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)					
CNC82	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P					
<DIODE>							
D701	8-719-110-14	DIODE RD9.1ES-B3					
D702	8-719-911-19	DIODE ISS119					
D703	8-719-911-19	DIODE ISS119					
D704	8-719-911-19	DIODE ISS119					
D705	8-719-911-19	DIODE ISS119					
D706	8-719-911-19	DIODE ISS119					
D707	8-719-911-19	DIODE ISS119					
D708	8-719-911-19	DIODE ISS119					
D709	8-719-911-19	DIODE ISS119					
D710	8-719-911-19	DIODE ISS119					
D711	8-719-924-06	DIODE ERC24-06S					
D713	8-719-911-19	DIODE ISS119					
<JACK>							
J701	1-526-798-51	SOCKET, PICTURE TUBE					
<COIL>							
L704	1-410-878-21	INDUCTOR 33UH					
<TRANSISTOR>							
Q702	8-729-178-54	TRANSISTOR 2SC2785					
Q703	8-729-326-11	TRANSISTOR 2SC2611					
Q704	8-729-200-17	TRANSISTOR 2SA1091					
Q705	8-729-178-54	TRANSISTOR 2SC2785					
Q706	8-729-326-11	TRANSISTOR 2SC2611					
Q707	8-729-200-17	TRANSISTOR 2SA1091					
Q708	8-729-178-54	TRANSISTOR 2SC2785					
Q709	8-729-326-11	TRANSISTOR 2SC2611					
Q710	8-729-200-17	TRANSISTOR 2SA1091					
<RESISTOR>							
R704	1-216-486-00	METAL OXIDE 8.2K 5% 3W F					
R705	1-202-824-00	SOLID 3.3K 10% 1/2W					
R706	1-249-409-11	CARBON 220 5% 1/4W					
R707	1-249-412-11	CARBON 390 5% 1/4W					
R708	1-249-401-11	CARBON 47 5% 1/4W					
R709	1-202-844-00	SOLID 330K 10% 1/2W					
R710	1-215-465-00	METAL 68K 1% 1/6W					
R712	1-249-417-11	CARBON 1K 5% 1/4W					
R713	1-215-471-00	METAL 120K 1% 1/6W					
R714	1-216-486-00	METAL OXIDE 8.2K 5% 3W F					
R715	1-202-824-00	SOLID 3.3K 10% 1/2W					
R716	1-249-409-11	CARBON 220 5% 1/4W					
R717	1-249-415-11	CARBON 680 5% 1/4W					
R718	1-202-814-11	SOLID 33K 10% 1/2W					
R719	1-249-401-11	CARBON 47 5% 1/4W					
R720	1-249-423-11	CARBON 3.3K 5% 1/4W					
R721	1-202-842-11	SOLID 220K 10% 1/2W					
R722	1-202-848-00	SOLID 680K 10% 1/2W					
R723	1-249-417-11	CARBON 1K 5% 1/4W					
R724	1-202-846-00	SOLID 470K 10% 1/2W					
R725	1-202-838-00	SOLID 100K 10% 1/2W					
R726	1-202-824-00	SOLID 3.3K 10% 1/2W					
R727	1-249-409-11	CARBON 220 5% 1/4W					
R728	1-216-347-11	METAL OXIDE 0.68 5% 1W F					
R729	1-249-416-11	CARBON 820 5% 1/4W					
R730	1-249-401-11	CARBON 47 5% 1/4W					
R731	1-249-423-11	CARBON 3.3K 5% 1/4W					
R732	1-249-415-11	CARBON 680 5% 1/4W					
R733	1-249-415-11	CARBON 680 5% 1/4W					
R734	1-249-405-11	CARBON 100 5% 1/4W					
R735	1-215-493-00	METAL 1M 1% 1/6W					
R736	1-216-486-00	METAL OXIDE 8.2K 5% 3W F					
R737	1-215-481-00	METAL 330K 1% 1/6W					
R739	1-249-417-11	CARBON 1K 5% 1/4W					
<VARIABLE RESISTOR>							
RV701	1-230-641-21	RES, ADJ, METAL GLAZE 2.2M					
RV702	1-230-619-11	RES, ADJ, METAL GLAZE 110M					
RV703	1-237-749-11	RES, ADJ, CARBON 2200					
RV704	1-237-749-11	RES, ADJ, CARBON 2200					

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

KV-C25TD
RM-673

D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK

	*A-1345-720-A	D BOARD, COMPLETE		C516	1-108-614-11	MYLAR	0.001MF 10% 100V
		*****		C517	1-124-252-00	ELECT	0.33MF 20% 50V
				C518	1-124-902-00	ELECT	0.47MF 20% 50V
	*4-341-751-01	EYELET		C519	1-136-173-00	FILM	0.47MF 5% 50V
	*4-341-752-01	EYELET		C520	1-102-121-00	CERAMIC	0.0022MF 10% 50V
		<CAPACITOR>		C521	1-106-220-00	MYLAR	0.1MF 10% 100V
C001	1-102-973-00	CERAMIC	100PF 5% 50V	C522	1-124-122-11	ELECT	100MF 20% 50V
C003	1-106-220-00	MYLAR	0.1MF 10% 100V	C523	1-108-614-11	MYLAR	0.001MF 10% 100V
C004	1-123-875-11	ELECT	10MF 20% 50V	C524	1-108-798-11	MYLAR	0.0033MF 5% 50V
C005	1-102-074-00	CERAMIC	0.001MF 10% 50V	C525	1-102-973-00	CERAMIC	100PF 5% 50V
C007	1-106-383-00	MYLAR	0.047MF 10% 100V	C526	1-102-947-00	CERAMIC	10PF 0.5PF 50V
C008	1-101-880-00	CERAMIC	47PF 5% 50V	C527	1-106-220-00	MYLAR	0.1MF 10% 100V
C009	1-101-884-00	CERAMIC	56PF 5% 50V	C531	1-124-190-00	ELECT	680MF 10% 25V
C010	1-126-101-11	ELECT	100MF 20% 16V	C532	1-124-122-11	ELECT	100MF 20% 50V
C011	1-101-004-00	CERAMIC	0.01MF 50V	C533	1-106-216-00	MYLAR	0.068MF 10% 100V
C012	1-126-101-11	ELECT	100MF 20% 16V	C534	1-124-120-11	ELECT	220MF 20% 16V
C013	1-101-004-00	CERAMIC	0.01MF 50V	C536	1-131-365-00	TANTALUM	10MF 10% 16V
C014	1-124-463-00	ELECT	0.1MF 20% 50V	C537	1-124-499-11	ELECT	1MF 20% 50V
C015	1-126-101-11	ELECT	100MF 20% 16V	C538	1-108-614-11	MYLAR	0.001MF 10% 100V
C016	1-101-004-00	CERAMIC	0.01MF 50V	C539	1-102-820-00	CERAMIC	330PF 5% 50V
C017	1-123-875-11	ELECT	10MF 20% 50V	C591	1-123-875-11	ELECT	10MF 20% 50V
C018	1-102-980-00	CERAMIC	270PF 5% 50V	C592	1-124-477-11	ELECT	47MF 20% 16V
C019	1-106-383-00	MYLAR	0.047MF 10% 100V	C593	1-102-820-00	CERAMIC	330PF 5% 50V
C020	1-102-973-00	CERAMIC	100PF 5% 50V	C601	1-162-599-12	CERAMIC	0.0047MF 250V
C021	1-102-973-00	CERAMIC	100PF 5% 50V	C602	1-162-599-12	CERAMIC	0.0047MF 250V
C022	1-124-477-11	ELECT	47MF 20% 16V	C603	1-162-599-12	CERAMIC	0.0047MF 250V
C023	1-124-499-11	ELECT	1MF 20% 50V	C604	1-125-318-00	ELECT (BLOCK)	220MF 20% 400V
C024	1-124-499-11	ELECT	1MF 20% 50V	C605	1-124-122-11	ELECT	100MF 20% 50V
C025	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C606	1-106-220-00	MYLAR	0.1MF 10% 100V
C026	1-102-125-00	CERAMIC	0.0047MF 10% 50V	C607	1-130-019-00	FILM	0.0012MF 5% 50V
C027	1-106-220-00	MYLAR	0.1MF 10% 100V	C608	1-123-875-11	ELECT	10MF 20% 50V
C028	1-101-361-00	CERAMIC	150PF 5% 50V	C611	1-124-122-11	ELECT	100MF 20% 50V
C029	1-102-121-00	CERAMIC	0.0022MF 10% 50V	C612	1-162-115-00	CERAMIC	330PF 10% 2KV
C251	1-124-927-11	ELECT	4.7MF 20% 50V	C613	1-136-539-11	FILM	0.0022MF 3% 2KV
C252	1-124-927-11	ELECT	4.7MF 20% 50V	C614	1-102-030-00	CERAMIC	330PF 10% 500V
C253	1-124-122-11	ELECT	100MF 20% 50V	C615	1-124-557-11	ELECT	1000MF 20% 25V
C254	1-124-927-11	ELECT	4.7MF 20% 50V	C616	1-102-030-00	CERAMIC	330PF 10% 500V
C255	1-124-927-11	ELECT	4.7MF 20% 50V	C618	1-124-637-11	ELECT	1000MF 20% 50V
C256	1-106-220-00	MYLAR	0.1MF 10% 100V	C619	1-124-556-11	ELECT	2200MF 20% 16V
C257	1-101-004-00	CERAMIC	0.01MF 50V	C620	1-102-074-00	CERAMIC	0.001MF 10% 50V
C258	1-106-220-00	MYLAR	0.1MF 10% 100V	C621	1-124-347-00	ELECT	100MF 20% 160V
C260	1-106-220-00	MYLAR	0.1MF 10% 100V	C622	1-124-556-11	ELECT	2200MF 20% 16V
C265	1-102-074-00	CERAMIC	0.001MF 10% 50V	C623	1-124-910-11	ELECT	47MF 20% 50V
C266	1-102-074-00	CERAMIC	0.001MF 10% 50V	C624	1-124-122-11	ELECT	100MF 20% 50V
C401	1-124-477-11	ELECT	47MF 20% 16V	C625	1-124-360-00	ELECT	1000MF 20% 16V
C403	1-124-477-11	ELECT	47MF 20% 16V	C626	1-123-875-11	ELECT	10MF 20% 50V
C501	1-124-927-11	ELECT	4.7MF 20% 50V	C627	1-102-074-00	CERAMIC	0.001MF 10% 50V
C502	1-124-927-11	ELECT	4.7MF 20% 50V	C631	1-123-875-11	ELECT	10MF 20% 50V
C503	1-106-371-00	MYLAR	0.015MF 10% 400V	C632	1-102-074-00	CERAMIC	0.001MF 10% 50V
C504	1-101-361-00	CERAMIC	150PF 5% 50V	C633	1-124-927-11	ELECT	4.7MF 20% 50V
C505	1-108-794-11	MYLAR	0.0015MF 5% 50V	C636	1-123-382-00	ELECT	3.3MF 20% 50V
C506	1-106-375-12	MYLAR	0.022MF 10% 250V	C801	1-126-105-11	ELECT	1000MF 20% 35V
C507	1-130-783-00	MYLAR	0.33MF 10% 100V	C802	1-102-030-00	CERAMIC	330PF 10% 500V
C508	1-106-375-12	MYLAR	0.022MF 10% 250V	C804	1-123-948-00	ELECT	22MF 20% 250V
C509	1-106-220-00	MYLAR	0.1MF 10% 100V	C805	1-162-114-00	CERAMIC	0.0047MF 2KV
C510	1-161-959-00	CERAMIC	22PF 10% 500V	C806	1-106-220-00	MYLAR	0.1MF 10% 100V
C511	1-108-620-11	MYLAR	0.0033MF 10% 100V	C807	1-106-395-00	MYLAR	0.15MF 10% 200V
C512	1-106-220-00	MYLAR	0.1MF 10% 100V	C810	1-124-494-00	ELECT	33MF 10% 160V
C513	1-108-614-11	MYLAR	0.001MF 10% 100V	C811	1-136-113-00	FILM	2MF 5% 200V
C514	1-106-228-00	MYLAR	0.22MF 10% 100V	C812	1-124-634-11	ELECT	1MF 20% 250V
C515	1-124-499-11	ELECT	1MF 20% 50V	C813	1-102-212-00	CERAMIC	820PF 10% 500V
				C814 Δ	1-161-731-11	CERAMIC	0.001MF 10% 2KV
				C815	1-136-111-00	FILM	1MF 5% 200V

D

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C817	1-136-565-11	FILM	0.015MF 3%	1.4KV	D602	8-719-924-06	DIODE ERC24-06S
C818	1-129-721-00	FILM	0.039MF 10%	630V	D603	8-719-936-83	DIODE GP08DPKG23
C819 Δ	1-161-731-11	CERAMIC	0.001MF 10%	2KV	D604	8-719-936-83	DIODE GP08DPKG23
C820	1-106-218-00	MYLAR	0.0082MF 10%	400V	D605	8-719-936-83	DIODE GP08DPKG23
C821 Δ	1-162-116-51	CERAMIC	680PF 10%	2KV	D606	8 719 924 06	DIODE ERC24 06S
C822	1-102-114-00	CERAMIC	470PF 10%	50V	D607	8 719-924-06	DIODE ERC24 06S
C823	1-106-359-00	MYLAR	0.0047MF 10%	400V	D608	8-719-925-06	DIODE ERC25-06S
C824	1-102-212-00	CERAMIC	820PF 10%	500V	D610	8-719-300-59	DIODE CTU-12S
C825	1-106-375-12	MYLAR	0.022MF 10%	250V	D611	8-719-928-08	DIODE ERD28-06S
C826	1-123-875-11	ELECT	10MF 20%	50V	D612	8-719-300-59	DIODE CTU-12S
<FILTER>				D613	8-719-924-06	DIODE ERC24-06S	
CF001	1-567-686-11	OSCILLATOR, CERAMIC		D614	8-719-924-06	DIODE ERC24-06S	
CF501	1-567-888-11	OSCILLATOR, CERAMIC		D615	8-719-109-90	DIODE RD5.6ES-B3	
<CONNECTOR>				D616	8-719-109-93	DIODE RD6.2ES-B2	
CN801	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		D618	8-719-109-89	DIODE RD5.6ES-B2	
CND01	*1-564-884-11	PLUG, CONNECTOR 7P		D620	8-719-000-12	DIODE MC931	
CND02	*1-564-886-11	PLUG, CONNECTOR 9P		D622	8-719-911-19	DIODE 1SS119	
CND11	*1-566-660-11	CONNECTOR, HINGE (PLUG) 18P		D623	8-719-911-19	DIODE 1SS119	
CND12	*1-564-884-11	PLUG, CONNECTOR 7P		D624	8-719-911-19	DIODE 1SS119	
CND21	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P		D627	8-719-911-19	DIODE 1SS119	
CND23	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)		D630	8-719-110-39	DIODE RD15ES-B1	
CND31	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P		D632	8-719-110-16	DIODE RD10ES-B1	
CND41	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)		D633	8-719-911-19	DIODE 1SS119	
CND45	*1-564-882-11	PLUG, CONNECTOR 5P		D801	8-719-924-06	DIODE ERC24-06S	
CND51	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)		D802	8-719-924-06	DIODE ERC24-06S	
CND64	*1-506-348-XX	PIN, CONNECTOR 3P		D803	8-719-300-65	DIODE ES1F	
CND82	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		D804	8-719-936-83	DIODE GP08DPKG23	
CND83	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		D805	8-719-936-83	DIODE GP08DPKG23	
CND84	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P		D806	8-719-945-80	DIODE ERC06-15S	
CND91	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		D807	8-719-945-80	DIODE ERC06-15S	
CND92	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		D808	8-719-900-26	DIODE ERD29-08J	
CND94	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)		D809	8-719-924-06	DIODE ERC24-06S	
<DIODE>				<IC>			
D001	8-719-911-19	DIODE 1SS119		IC001	8-759-630-06	IC M50436-614SP	
D002	8-719-911-19	DIODE 1SS119		IC002	8-759-979-57	IC MB88503H-1022G	
D003	8-719-911-19	DIODE 1SS119		IC003	8-759-603-41	IC M58655P	
D004	8-719-911-19	DIODE 1SS119		IC004	8-759-157-40	IC UPC574J	
D005	8-719-109-71	DIODE RD3.9ES-B1		IC251	8-759-803-31	IC LA4280	
D007	8-719-109-89	DIODE RD5.6ES-B2			*4-368-683-01	SPRING; IC251	
D008	8-719-110-85	DIODE RD36ES-B4		IC401	8-752-006-10	IC CX20061	
D009	8-719-109-89	DIODE RD5.6ES-B2		IC501	8-759-970-73	IC TEA2028B	
D011	8-719-911-19	DIODE 1SS119		IC502	8-759-944-57	IC TDA8170	
D012	8-719-911-19	DIODE 1SS119			*4-381-724-01	HOLDER, IC; IC502	
D254	8-719-110-14	DIODE RD9.1ES-B3		IC601	8-759-946-23	IC TEA2164	
D255	8-719-000-12	DIODE MC931			*4-386-642-01	HEAT SINK, IC; IC601	
D256	8-719-000-12	DIODE MC931		IC608	8-759-700-06	IC UPC7812H	
D501	8-719-911-19	DIODE 1SS119		<COIL>			
D504	8-719-936-83	DIODE GP08DPKG23		L001	1-408-414-00	INDUCTOR 27UH	
D506	8-719-000-12	DIODE MC931		L501	1-408-225-00	INDUCTOR 3.3UH	
D508	8-719-911-19	DIODE 1SS119		L601	*1-420-872-00	COIL, AIR CORE	
D509	8-719-911-19	DIODE 1SS119		L602	1-410-396-41	FERRITE BEAD INDUCTOR	
D511	8-719-936-83	DIODE GP08DPKG23		L603	1-410-396-41	FERRITE BEAD INDUCTOR	
D512	8-719-936-83	DIODE GP08DPKG23		L605 Δ	1-459-442-11	COIL (WITH CORE)	
D513	8-719-109-81	DIODE RD4.7ES-B2		L606	1-421-013-00	COIL, (HORIZONTAL CHOKE) 25UH	
D591	8-719-911-19	DIODE 1SS119		L607	1-408-421-00	INDUCTOR 100UH	
D592	8-719-911-19	DIODE 1SS119		L803	1-459-104-00	COIL, DUST CORE	
D593	8-719-911-19	DIODE 1SS119		L804	1-408-239-00	INDUCTOR 4.7MMH	
D601	8-719-946-90	DIODE KBU4JL-6088		L805	1-459-755-11	COIL, HORIZONTAL LINEARITY	
				L806	1-459-111-00	COIL, DRAM CORE (CD1)	
				L807	1-407-504-00	INDUCTOR 10MMH	

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

KV-C25TD
RM-673

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
L809	*1-420-872-00	COIL, AIR CORE		R026	1-249-417-11	CARBON 1K 5% 1/4W	
L810	1-421-982-11	PMC		R027	1-249-417-11	CARBON 1K 5% 1/4W	
<IC LINK>				R028	1-249-417-11	CARBON 1K 5% 1/4W	
PS601A	1-532-984-91	LINK, IC 2A		R029	1-249-417-11	CARBON 1K 5% 1/4W	
PS602A	1-532-675-91	LINK, IC 1.5A		R030	1-249-425-11	CARBON 4.7K 5% 1/4W	
<TRANSISTOR>				R031	1-249-429-11	CARBON 10K 5% 1/4W	
Q001	8-729-600-24	TRANSISTOR 2SC403SP-51		R032	1-249-417-11	CARBON 1K 5% 1/4W	
Q002	8-729-117-54	TRANSISTOR 2SA1175		R033	1-249-413-11	CARBON 470 5% 1/4W	
Q003	8-729-117-54	TRANSISTOR 2SA1175		R034	1-249-413-11	CARBON 470 5% 1/4W	
Q004	8-729-117-54	TRANSISTOR 2SA1175		R035	1-249-431-11	CARBON 15K 5% 1/4W	
Q252	8-729-900-36	TRANSISTOR DTC124ES		R036	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q501	8-729-117-54	TRANSISTOR 2SA1175		R037	1-249-417-11	CARBON 1K 5% 1/4W	
Q502	8-729-117-54	TRANSISTOR 2SA1175		R038	1-249-417-11	CARBON 1K 5% 1/4W	
Q503	8-729-178-54	TRANSISTOR 2SC2785		R039	1-249-417-11	CARBON 1K 5% 1/4W	
Q505	8-729-177-43	TRANSISTOR 2SD774-4		R040	1-249-417-11	CARBON 1K 5% 1/4W	
Q506	8-729-103-43	TRANSISTOR 2SB734-4		R041	1-249-417-11	CARBON 1K 5% 1/4W	
Q507	8-729-117-54	TRANSISTOR 2SA1175		R042	1-249-417-11	CARBON 1K 5% 1/4W	
Q591	8-729-178-54	TRANSISTOR 2SC2785		R043	1-249-417-11	CARBON 1K 5% 1/4W	
Q598	8-729-178-54	TRANSISTOR 2SC2785		R044	1-249-429-11	CARBON 10K 5% 1/4W	
Q601	8-729-904-32	TRANSISTOR 2SB1185-E		R045	1-249-417-11	CARBON 1K 5% 1/4W	
Q602	8-729-209-02	TRANSISTOR 2SD1548-LB		R046	1-249-429-11	CARBON 10K 5% 1/4W	
*4-368-683-01	SPRING; Q602			R048	1-249-417-11	CARBON 1K 5% 1/4W	
Q603	8-729-904-32	TRANSISTOR 2SB1185-E		R049	1-249-417-11	CARBON 1K 5% 1/4W	
Q604	8-729-378-91	TRANSISTOR 2SD789-4		R050	1-249-433-11	CARBON 22K 5% 1/4W	
Q605	8-729-178-54	TRANSISTOR 2SC2785		R051	1-249-429-11	CARBON 10K 5% 1/4W	
Q606	8-729-178-54	TRANSISTOR 2SC2785		R052	1-249-439-11	CARBON 68K 5% 1/4W	
Q607	8-729-920-92	TRANSISTOR 2SD2096-EF		R053	1-249-437-11	CARBON 47K 5% 1/4W	
Q608	*4-368-683-01	SPRING		R054	1-249-417-11	CARBON 1K 5% 1/4W	
Q609	8-729-378-91	TRANSISTOR 2SD789-4		R056	1-249-440-11	CARBON 82K 5% 1/4W	
Q801	8-729-178-54	TRANSISTOR 2SC2785		R057	1-249-409-11	CARBON 220 5% 1/4W	
Q804	8-729-304-50	TRANSISTOR 2SD1941-06		R058	1-249-409-11	CARBON 220 5% 1/4W	
*4-368-683-01	SPRING; Q804			R059	1-249-435-11	CARBON 33K 5% 1/4W	
Q805	8-729-119-80	TRANSISTOR 2SC2688-L		R060	1-249-436-11	CARBON 39K 5% 1/4W	
<RESISTOR>				R061	1-249-417-11	CARBON 1K 5% 1/4W	
R001	1-249-417-11	CARBON 1K 5% 1/4W		R062	1-249-411-11	CARBON 330 5% 1/4W	
R002	1-249-417-11	CARBON 1K 5% 1/4W		R063	1-249-431-11	CARBON 15K 5% 1/4W	
R003	1-249-417-11	CARBON 1K 5% 1/4W		R064	1-249-429-11	CARBON 10K 5% 1/4W	
R004	1-249-417-11	CARBON 1K 5% 1/4W		R067	1-249-413-11	CARBON 470 5% 1/4W	
R005	1-249-411-11	CARBON 330 5% 1/4W		R068	1-249-421-11	CARBON 2.2K 5% 1/4W	
R006	1-249-417-11	CARBON 1K 5% 1/4W		R069	1-249-423-11	CARBON 3.3K 5% 1/4W	
R007	1-249-405-11	CARBON 100 5% 1/4W		R070	1-249-417-11	CARBON 1K 5% 1/4W	
R008	1-249-417-11	CARBON 1K 5% 1/4W		R071	1-249-417-11	CARBON 1K 5% 1/4W	
R009	1-249-417-11	CARBON 1K 5% 1/4W		R072	1-249-417-11	CARBON 1K 5% 1/4W	
R010	1-249-413-11	CARBON 470 5% 1/4W		R073	1-249-417-11	CARBON 1K 5% 1/4W	
R011	1-249-417-11	CARBON 1K 5% 1/4W		R074	1-249-417-11	CARBON 1K 5% 1/4W	
R012	1-249-417-11	CARBON 1K 5% 1/4W		R075	1-249-417-11	CARBON 1K 5% 1/4W	
R013	1-249-417-11	CARBON 1K 5% 1/4W		R077	1-249-413-11	CARBON 470 5% 1/4W	
R014	1-249-417-11	CARBON 1K 5% 1/4W		R078	1-249-423-11	CARBON 3.3K 5% 1/4W	
R016	1-249-429-11	CARBON 10K 5% 1/4W		R079	1-249-435-11	CARBON 33K 5% 1/4W	
R017	1-249-417-11	CARBON 1K 5% 1/4W		R080	1-249-429-11	CARBON 10K 5% 1/4W	
R018	1-249-417-11	CARBON 1K 5% 1/4W		R081	1-249-441-11	CARBON 100K 5% 1/4W	
R019	1-249-433-11	CARBON 22K 5% 1/4W		R083	1-249-429-11	CARBON 10K 5% 1/4W	
R020	1-249-433-11	CARBON 22K 5% 1/4W		R084	1-249-413-11	CARBON 470 5% 1/4W	
R021	1-249-433-11	CARBON 22K 5% 1/4W		R085	1-249-429-11	CARBON 10K 5% 1/4W	
R022	1-249-433-11	CARBON 22K 5% 1/4W		R086	1-249-417-11	CARBON 1K 5% 1/4W	
R023	1-249-429-11	CARBON 10K 5% 1/4W		R087	1-249-417-11	CARBON 1K 5% 1/4W	
R024	1-249-429-11	CARBON 10K 5% 1/4W		R088	1-249-425-11	CARBON 4.7K 5% 1/4W	
R025	1-249-417-11	CARBON 1K 5% 1/4W		R090	1-249-413-11	CARBON 470 5% 1/4W	
				R091	1-249-409-11	CARBON 220 5% 1/4W	
				R093	1-249-429-11	CARBON 10K 5% 1/4W	
				R094	1-249-429-11	CARBON 10K 5% 1/4W	
				R095	1-249-409-11	CARBON 220 5% 1/4W	
				R096	1-249-409-11	CARBON 220 5% 1/4W	

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REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R097	1-249-429-11	CARBON	10K	5%	1/4W	R546	1-249-434-11	CARBON	27K	5%	1/4W
R098	1-249-429-11	CARBON	10K	5%	1/4W	R547	1-249-423-11	CARBON	3.3K	5%	1/4W
R099	1-215-900-11	METAL OXIDE	22K	5%	2W	R548	1-216-349-00	METAL OXIDE	1	5%	1W
R251	1-249-417-11	CARBON	1K	5%	1/4W	R549	1-216-454-11	METAL OXIDE	390	5%	2W
R252	1-249-413-11	CARBON	470	5%	1/4W	R550	1-249-440-11	CARBON	82K	5%	1/4W
R253	1-249-413-11	CARBON	470	5%	1/4W	R551	1-249-749-00	CARBON	2.2M	5%	1/4W
R255	1-249-385-11	CARBON	2.2	5%	1/4W	R553	1-216-869-11	METAL OXIDE	1K	5%	1W
R256	1-249-385-11	CARBON	2.2	5%	1/4W	R554	1-249-411-11	CARBON	330	5%	1/4W
R260	1-249-393-11	CARBON	10	5%	1/4W	R555	1-249-749-00	CARBON	2.2M	5%	1/4W
R261	1-249-429-11	CARBON	10K	5%	1/4W	R556	1-249-405-11	CARBON	100	5%	1/4W
R262	1-249-413-11	CARBON	470	5%	1/4W	R557	1-249-425-11	CARBON	4.7K	5%	1/4W
R263	1-249-421-11	CARBON	2.2K	5%	1/4W	R558	1-247-895-00	CARBON	470K	5%	1/4W
R264	1-249-421-11	CARBON	2.2K	5%	1/4W	R559	1-249-427-11	CARBON	6.8K	5%	1/4W
R265	1-249-425-11	CARBON	4.7K	5%	1/4W	R560	1-249-411-11	CARBON	330	5%	1/4W
R266	1-249-425-11	CARBON	4.7K	5%	1/4W	R591	1-249-427-11	CARBON	6.8K	5%	1/4W
R401	1-249-434-11	CARBON	27K	5%	1/4W	R592	1-249-429-11	CARBON	10K	5%	1/4W
R402	1-249-435-11	CARBON	33K	5%	1/4W	R593	1-249-429-11	CARBON	10K	5%	1/4W
R410	1-249-413-11	CARBON	470	5%	1/4W	R594	1-249-424-11	CARBON	3.9K	5%	1/4W
R411	1-249-413-11	CARBON	470	5%	1/4W	R595	1-249-417-11	CARBON	1K	5%	1/4W
R412	1-249-413-11	CARBON	470	5%	1/4W	R596	1-249-425-11	CARBON	4.7K	5%	1/4W
R500	1-247-897-11	CARBON	560K	5%	1/4W	R597	1-249-425-11	CARBON	4.7K	5%	1/4W
R501	1-249-413-11	CARBON	470	5%	1/4W	R598	1-249-405-11	CARBON	100	5%	1/4W
R502	1-249-409-11	CARBON	220	5%	1/4W	R599	1-249-405-11	CARBON	100	5%	1/4W
R503	1-249-410-11	CARBON	270	5%	1/4W	R602	1-215-901-00	METAL OXIDE	33K	5%	2W
R504	1-215-427-00	METAL	1.8K	1%	1/6W	R603	1-216-359-00	METAL OXIDE	6.8	5%	1W
R505	1-249-431-11	CARBON	15K	5%	1/4W	R604	1-249-414-11	CARBON	560	5%	1/4W
R506	1-249-428-11	CARBON	8.2K	5%	1/4W	R605	1-215-469-00	METAL	100K	1%	1/6W
R507	1-247-891-00	CARBON	330K	5%	1/4W	R606	1-249-426-11	CARBON	5.6K	5%	1/4W
R509	1-249-424-11	CARBON	3.9K	5%	1/4W	R607	1-249-434-11	CARBON	27K	5%	1/4W
R510	1-249-426-11	CARBON	5.6K	5%	1/4W	R608	1-215-901-00	METAL OXIDE	33K	5%	2W
R511	1-249-429-11	CARBON	10K	5%	1/4W	R609	1-249-401-11	CARBON	47	5%	1/4W
R512	1-247-891-00	CARBON	330K	5%	1/4W	R610	1-249-393-11	CARBON	10	5%	1/4W
R513	1-249-429-11	CARBON	10K	5%	1/4W	R611	1-249-385-11	CARBON	2.2	5%	1/4W
R514	1-249-409-11	CARBON	220	5%	1/4W	R612	1-207-905-00	WIREWOUND	0.27	10%	2W
R515	1-249-423-11	CARBON	3.3K	5%	1/4W	R613	1-249-401-11	CARBON	47	5%	1/4W
R516	1-249-408-11	CARBON	180	5%	1/4W	R614	1-205-919-11	WIREWOUND	220	10%	10W
R517	1-249-429-11	CARBON	10K	5%	1/4W	R616	1-249-417-11	CARBON	1K	5%	1/4W
R518	1-249-437-11	CARBON	47K	5%	1/4W	R617	1-249-411-11	CARBON	330	5%	1/4W
R519	1-249-433-11	CARBON	22K	5%	1/4W	R618	1-216-431-11	METAL OXIDE	560	5%	1W
R520	1-249-411-11	CARBON	330	5%	1/4W	R619	1-249-429-11	CARBON	10K	5%	1/4W
R521	1-249-405-11	CARBON	100	5%	1/4W	R620	1-249-433-11	CARBON	22K	5%	1/4W
R522	1-215-469-00	METAL	100K	1%	1/6W	R621	1-249-431-11	CARBON	15K	5%	1/4W
R523	1-249-417-11	CARBON	1K	5%	1/4W	R622	1-249-429-11	CARBON	10K	5%	1/4W
R524	1-249-421-11	CARBON	2.2K	5%	1/4W	R623	1-249-385-11	CARBON	2.2	5%	1/4W
R525	1-249-417-11	CARBON	1K	5%	1/4W	R624	1-249-411-11	CARBON	330	5%	1/4W
R526	1-249-409-11	CARBON	220	5%	1/4W	R625	1-215-865-11	METAL OXIDE	220	5%	1W
R527	1-249-431-11	CARBON	15K	5%	1/4W	R626	1-249-411-11	CARBON	330	5%	1/4W
R528	1-249-408-11	CARBON	180	5%	1/4W	R628	1-249-393-11	CARBON	10	5%	1/4W
R529	1-249-427-11	CARBON	6.8K	5%	1/4W	R629	1-249-411-11	CARBON	330	5%	1/4W
R530	1-249-448-11	CARBON	1.2	5%	1/4W	R630	1-249-437-11	CARBON	47K	5%	1/4W
R531	1-247-881-00	CARBON	120K	5%	1/4W	R633	1-249-405-11	CARBON	100	5%	1/4W
R532	1-249-417-11	CARBON	1K	5%	1/4W	R634	1-216-430-11	METAL OXIDE	390	5%	1W
R534	1-247-901-11	CARBON	820K	5%	1/4W	R635	1-249-429-11	CARBON	10K	5%	1/4W
R535	1-249-749-00	CARBON	2.2M	5%	1/4W	R636	1-249-429-11	CARBON	10K	5%	1/4W
R536	1-249-749-00	CARBON	2.2M	5%	1/4W	R642	1-216-343-00	METAL OXIDE	0.33	5%	1W
R537	1-249-434-11	CARBON	27K	5%	1/4W	R643	1-217-192-21	WIREWOUND	0.22	10%	2W
R538	1-247-883-00	CARBON	150K	5%	1/4W	R647	1-216-485-11	METAL OXIDE	5.6K	5%	3W
R539	1-247-883-00	CARBON	150K	5%	1/4W	R648	1-216-485-11	METAL OXIDE	5.6K	5%	3W
R540	1-249-399-11	CARBON	33	5%	1/4W	R649	1-249-385-11	CARBON	2.2	5%	1/4W
R541	1-249-438-11	CARBON	56K	5%	1/4W	R650	1-249-417-11	CARBON	1K	5%	1/4W
R542	1-249-425-11	CARBON	4.7K	5%	1/4W	R651	1-249-405-11	CARBON	100	5%	1/4W
R543	1-249-451-11	CARBON	2.2	5%	1/4W	R652	1-247-903-00	CARBON	1M	5%	1/4W
R544	1-247-745-11	CARBON	330	5%	1/2W	R802	1-249-443-11	CARBON	0.47	5%	1/4W
R545	1-249-433-11	CARBON	22K	5%	1/4W						

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

KV-C25TD
RM-673

D V

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R805	1-249-448-11	CARBON	1.2 5% 1/4W F	C01	1-126-101-11	ELECT 100MF 20% 16V	
R806	1-249-439-11	CARBON	68K 5% 1/4W	C02	1-124-120-11	ELECT 220MF 20% 16V	
R807	1-216-869-11	METAL OXIDE	1K 5% 1W	C03	1-124-119-00	ELECT 330MF 20% 16V	
R809	1-202-821-11	SOLID	1.8K 10% 1/2W	C04	1-124-477-11	ELECT 47MF 20% 16V	
R810	1-202-818-00	SOLID	1K 10% 1/2W	C05	1-126-101-11	ELECT 100MF 20% 16V	
R811	1-215-882-00	METAL OXIDE	22 5% 2W F	C06	1-124-120-11	ELECT 220MF 20% 16V	
R812	1-249-494-11	CARBON	68K 5% 1/2W	C07	1-124-499-11	ELECT 1MF 20% 50V	
R815	1-215-884-11	METAL OXIDE	47 5% 2W F	C08	1-163-097-00	CERAMIC CHIP 15PF 5% 50V	
R816	1-215-868-00	METAL OXIDE	680 5% 1W	C09	1-163-141-00	CERAMIC CHIP 0.001MF 10% 50V	
R817	1-249-417-11	CARBON	1K 5% 1/4W	C10	1-163-133-00	CERAMIC CHIP 470PF 5% 50V	
R820	1-249-403-11	CARBON	68 5% 1/4W	C11	1-163-037-11	CERAMIC CHIP 0.022MF 10% 25V	
R821	1-247-725-11	CARBON	10K 5% 1/4W F	C12	1-163-127-00	CERAMIC CHIP 270PF 5% 50V	
R822	1-217-778-11	FUSIBLE	1K 5% 1W F	C13	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
R825	1-216-345-11	METAL OXIDE	0.47 5% 1W F	C14	1-163-097-00	CERAMIC CHIP 15PF 5% 50V	
R826	1-249-441-11	CARBON	100K 5% 1/4W	C15	1-163-103-00	CERAMIC CHIP 27PF 5% 50V	
R827	1-249-429-11	CARBON	10K 5% 1/4W	C16	1-163-021-00	CERAMIC CHIP 0.01MF 10% 50V	
R828	1-249-423-11	CARBON	3.3K 5% 1/4W	C17	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
R829	1-249-416-11	CARBON	820 5% 1/4W	C18	1-163-099-00	CERAMIC CHIP 18PF 5% 50V	
R830	1-249-429-11	CARBON	10K 5% 1/4W	C19	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
R831	1-249-451-11	CARBON	2.2 5% 1/4W	C20	1-163-125-00	CERAMIC CHIP 220PF 5% 50V	
R1001	1-249-421-11	CARBON	2.2K 5% 1/4W	C21	1-163-833-00	CERAMIC CHIP 0.068MF 25V	
R1002	1-249-423-11	CARBON	3.3K 5% 1/4W	C24	1-126-101-11	ELECT 100MF 20% 16V	
R1003	1-249-413-11	CARBON	470 5% 1/4W	C25	1-124-477-11	ELECT 47MF 20% 16V	
R1004	1-249-408-11	CARBON	180 5% 1/4W	C27	1-163-129-00	CERAMIC CHIP 330PF 5% 50V	
R1005	1-249-408-11	CARBON	180 5% 1/4W	C28	1-163-137-00	CERAMIC CHIP 680PF 10% 50V	
R1006	1-249-408-11	CARBON	180 5% 1/4W	C29	1-124-927-11	ELECT 4.7MF 20% 50V	
R1007	1-249-408-11	CARBON	180 5% 1/4W	C51	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
R1009	1-249-417-11	CARBON	1K 5% 1/4W	C52	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
R1012	1-249-405-11	CARBON	100 5% 1/4W	C53	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
R5501	1-249-429-11	CARBON	10K 5% 1/4W	C54	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
R5502	1-249-417-11	CARBON	1K 5% 1/4W	C55	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
R5503	1-249-389-11	CARBON	4.7 5% 1/4W	C56	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
R5504	1-247-903-00	CARBON	1M 5% 1/4W	C57	1-163-141-00	CERAMIC CHIP 0.001MF 10% 50V	
R5505	1-249-393-11	CARBON	10 5% 1/4W	C58	1-163-141-00	CERAMIC CHIP 0.001MF 10% 50V	
				C59	1-163-141-00	CERAMIC CHIP 0.001MF 10% 50V	
<VARIABLE RESISTOR>				<TRIMMER>			
RV501	1-228-991-00	RES, ADJ, CARBON 2.2K		CT01	1-141-392-11	CAP, VAR, TRIMMER (1 GANG)	
RV502	1-228-994-00	RES, ADJ, CARBON 10K					
RV601	1-228-991-00	RES, ADJ, CARBON 2.2K					
<SPARK GAP>				<DIODE>			
SG801	1-519-063-XX	DISCHARGING GAP		D01	8-719-400-47	DIODE MA3056M	
<TRANSFORMER>				D02	8-719-400-95	DIODE MA3130L	
T601 Δ 1-448-961-31	S.R.T			D03	8-719-914-43	DIODE DAN202K	
T602 Δ 1-424-011-12	TRANSFORMER, PULSE			D04	8-719-420-42	DIODE MA3036H	
T801 Δ 1-437-090-21	HDT			D07	8-719-400-63	DIODE MA3068M	
<TERMINAL PIN>				D08	8-719-400-63	DIODE MA3068M	
TP91	*1-535-084-00	1P TERMINAL PIN		D09	8-719-914-43	DIODE DAN202K	
*****				D10	8-719-914-43	DIODE DAN202K	
*A-1347-030-A	V BOARD, COMPLETE			D11	8-719-914-44	DIODE DAP202K	
*****				D12	8-719-914-44	DIODE DAP202K	
*4-380-698-01	CASE (MAIN), SHIELD, A1			<IC>			
*4-380-699-01	CASE (UPPER LID), SHIELD, A1			IC1	8-759-972-41	IC MAB8461P-W136	
*4-382-701-01	CASE (BOTTOM LID), SHIELD, A2			IC2	8-759-972-96	IC SAA5231-V6	
<CAPACITOR>				IC3	8-759-946-85	IC SAA5243E	
				IC4	8-759-230-68	IC TMN2063P-70	
				<COIL>			
L01	1-408-411-00	INDUCTOR	15UH				
L02	1-408-407-00	INDUCTOR	6.8UH				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
L03	1-408-407-00	INDUCTOR	6.8UH	R64	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
L04	1-408-407-00	INDUCTOR	6.8UH	R65	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
L05	1-408-407-00	INDUCTOR	6.8UH	R66	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
L06	1-408-407-00	INDUCTOR	6.8UH	R67	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
				R68	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
<TRANSISTOR>				R69	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q01	8-729-904-27	TRANSISTOR	2SD1761-E	<VARIABLE RESISTOR>			
Q02	8-729-202-06	TRANSISTOR	2SC2873Y	RV01	1-238-009-11	RES, ADJ, CARBON	220
Q03	8-729-900-53	TRANSISTOR	DTC114EK	<CONNECTOR>			
Q04	8-729-271-22	TRANSISTOR	2SC2712G	CNV03	*1-508-784-00	PIN, CONNECTOR (5MM PITCH)	1P
Q05	8-729-202-06	TRANSISTOR	2SC2873Y	V1	*1-560-123-00	PLUG, CONNECTOR (2.5MM)	3P
Q06	8-729-271-22	TRANSISTOR	2SC2712G	V2	*1-560-125-00	PLUG, CONNECTOR (2.5MM)	5P
Q07	8-729-271-22	TRANSISTOR	2SC2712G	V3	*1-560-126-00	PLUG, CONNECTOR (2.5MM)	6P
Q09	8-729-800-68	TRANSISTOR	2SB815B6	V4	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)	
Q10	8-729-800-68	TRANSISTOR	2SB815B6	V5	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
Q11	8-729-800-68	TRANSISTOR	2SB815B6	<CRYSTAL>			
<RESISTOR>				X01	1-567-162-21	OSCILLATOR, CRYSTAL	
R01	1-218-326-11	METAL GLAZE	470 1/2W	X02	1-567-495-21	OSCILLATOR, CRYSTAL	
R02	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	X03	1-577-082-11	VIBRATOR, CERAMIC	
R04	1-218-326-11	METAL GLAZE	470 1/2W	*****			
R05	1-216-025-00	METAL GLAZE	100 5% 1/10W	*A-1371-335-A J1 BOARD, COMPLETE			
R06	1-216-049-00	METAL GLAZE	1K 5% 1/10W	*****			
R07	1-216-025-00	METAL GLAZE	100 5% 1/10W	<CAPACITOR>			
R08	1-216-037-00	METAL GLAZE	330 5% 1/10W	C1407	1-124-477-11	ELECT	47MF 20% 16V
R09	1-216-091-00	METAL GLAZE	56K 5% 1/10W	C1415	1-124-902-00	ELECT	0.47MF 20% 50V
R13	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1416	1-124-902-00	ELECT	0.47MF 20% 50V
R14	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1418	1-102-112-00	CERAMIC	330PF 10% 50V
R15	1-216-121-00	METAL GLAZE	1M 5% 1/10W	C1419	1-102-112-00	CERAMIC	330PF 10% 50V
R16	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	C1423	1-106-375-12	MYLAR	0.022MF 10% 250V
R17	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1424	1-106-375-12	MYLAR	0.022MF 10% 250V
R18	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	C1427	1-101-003-00	CERAMIC	0.0047MF 50V
R19	1-216-037-00	METAL GLAZE	330 5% 1/10W	C1428	1-101-003-00	CERAMIC	0.0047MF 50V
R20	1-216-043-00	METAL GLAZE	560 5% 1/10W	C1431	1-124-902-00	ELECT	0.47MF 20% 50V
R27	1-216-013-00	METAL GLAZE	33 5% 1/10W	C1432	1-124-902-00	ELECT	0.47MF 20% 50V
R28	1-216-013-00	METAL GLAZE	33 5% 1/10W	C1433	1-126-101-11	ELECT	100MF 20% 16V
R29	1-216-013-00	METAL GLAZE	33 5% 1/10W	C1501	1-123-875-11	ELECT	10MF 20% 50V
R30	1-218-325-11	METAL GLAZE	120 1/4W	C1502	1-123-875-11	ELECT	10MF 20% 50V
R31	1-218-325-11	METAL GLAZE	120 1/4W	C1503	1-108-614-11	MYLAR	0.001MF 10% 100V
R32	1-218-325-11	METAL GLAZE	120 1/4W	C1504	1-124-910-11	ELECT	47MF 20% 50V
R33	1-216-023-00	METAL GLAZE	82 5% 1/10W	C1505	1-106-383-00	MYLAR	0.047MF 10% 100V
R34	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1507	1-108-620-11	MYLAR	0.0033MF 10% 100V
R37	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1508	1-123-875-11	ELECT	10MF 20% 50V
R38	1-216-047-00	METAL GLAZE	820 5% 1/10W	C1509	1-124-499-11	ELECT	1MF 20% 50V
R40	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	C1511	1-123-875-11	ELECT	10MF 20% 50V
R41	1-216-041-00	METAL GLAZE	470 5% 1/10W	C1512	1-106-363-00	MYLAR	0.0068MF 10% 400V
R43	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	C1513	1-102-963-00	CERAMIC	33PF 5% 50V
R44	1-216-041-00	METAL GLAZE	470 5% 1/10W	C1514	1-106-353-00	MYLAR	0.027MF 10% 250V
R45	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1515	1-102-117-00	CERAMIC	820PF 10% 50V
R46	1-216-311-00	METAL GLAZE	6.8 5% 1/10W	<CONNECTOR>			
R51	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	CN1401	1-537-088-11	TERMINAL BOARD, INPUT/OUTPUT	
R52	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	CN1402	1-561-534-41	SOCKET 21P	
R53	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	CNJ41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P	
R54	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
R55	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
R56	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
R57	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
R58	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R59	1-216-056-00	METAL GLAZE	2K 5% 1/10W				
R60	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W				
R61	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W				
R62	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
R63	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				

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J2

H8

REF.NO.	PART NO.	DESCRIPTION	REMARK
CNJ43	*1-564-893-11	PLUG, CONNECTOR 4P	
CNJ51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P	
CNJ142	*1-564-893-11	PLUG, CONNECTOR 4P	
<DIODE>			
D1407	8-719-110-18	DIODE RD10ES-B3	
D1409	8-719-110-14	DIODE RD9.1ES-B3	
D1410	8-719-110-14	DIODE RD9.1ES-B3	
D1419	8-719-110-04	DIODE RD7.5ES-B3	
D1501	8-719-912-20	DIODE 1SS120	
D1502	8-719-911-19	DIODE 1SS119	
D1503	8-719-911-19	DIODE 1SS119	
D1504	8-719-911-19	DIODE 1SS119	
D1505	8-719-000-12	DIODE MC931	
D1506	8-719-110-85	DIODE RD36ES-B4	
D1507	8-719-911-19	DIODE 1SS119	
<IC>			
IC1402	8-759-946-32	IC TEA2014A	
IC1501	8-759-942-16	IC TEA2031A	
<COIL>			
L1401	1-412-043-11	INDUCTOR, WIDE BAND	
L1402	1-412-043-11	INDUCTOR, WIDE BAND	
<RESISTOR>			
R1417	1-249-404-00	CARBON 82 5% 1/4W	
R1423	1-249-426-11	CARBON 5.6K 5% 1/4W	
R1424	1-249-426-11	CARBON 5.6K 5% 1/4W	
R1428	1-247-895-00	CARBON 470K 5% 1/4W	
R1429	1-247-895-00	CARBON 470K 5% 1/4W	
R1430	1-247-699-11	METAL 82 5% 1/4W	
R1433	1-249-409-11	CARBON 220 5% 1/4W	
R1434	1-249-393-11	CARBON 10 5% 1/4W	
R1437	1-249-429-11	CARBON 10K 5% 1/4W	
R1440	1-249-415-11	CARBON 680 5% 1/4W	
R1441	1-249-415-11	CARBON 680 5% 1/4W	
R1442	1-249-437-11	CARBON 47K 5% 1/4W	
R1443	1-249-437-11	CARBON 47K 5% 1/4W	
R1454	1-247-703-11	METAL 180 5% 1/4W	
R1455	1-247-703-11	METAL 180 5% 1/4W	
R1501	1-249-433-11	CARBON 22K 5% 1/4W	
R1502	1-249-434-11	CARBON 27K 5% 1/4W	
R1503	1-247-895-00	CARBON 470K 5% 1/4W	
R1504	1-249-435-11	CARBON 33K 5% 1/4W	
R1505	1-249-433-11	CARBON 22K 5% 1/4W	
R1506	1-247-895-00	CARBON 470K 5% 1/4W	
R1509	1-247-887-00	CARBON 220K 5% 1/4W	
R1510	1-249-426-11	CARBON 5.6K 5% 1/4W	
R1511	1-249-417-11	CARBON 1K 5% 1/4W	
R1512	1-249-429-11	CARBON 10K 5% 1/4W	
R1513	1-249-438-11	CARBON 56K 5% 1/4W	
R1514	1-249-417-11	CARBON 1K 5% 1/4W	
R1515	1-247-899-11	CARBON 680K 5% 1/4W	
R1516	1-249-432-11	CARBON 18K 5% 1/4W	
R1517	1-249-410-11	CARBON 270 5% 1/4W	
R1518	1-249-429-11	CARBON 10K 5% 1/4W	
R1519	1-247-883-00	CARBON 150K 5% 1/4W	
R1520	1-247-895-00	CARBON 470K 5% 1/4W	
R1521	1-249-425-11	CARBON 4.7K 5% 1/4W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1556	1-249-426-11	CARBON 5.6K 5% 1/4W	
<VARIABLE RESISTOR>			
RV1501	1-228-999-00	RES, ADJ, CARBON 470K	
RV1502	1-228-994-00	RES, ADJ, CARBON 10K	
RV1503	1-228-995-00	RES, ADJ, CARBON 22K	
RV1504	1-228-990-00	RES, ADJ, CARBON 1K	
RV1505	1-228-999-00	RES, ADJ, CARBON 470K	
RV1506	1-228-995-00	RES, ADJ, CARBON 22K	
RV1507	1-230-504-11	RES, ADJ, CARBON 220	
RV1508	1-228-994-00	RES, ADJ, CARBON 10K	
RV1509	1-228-999-00	RES, ADJ, CARBON 470K	

*1-625-205-11	J2 BOARD	*****	
<CAPACITOR>			
C1401	1-126-105-11	ELECT 1000MF 20% 35V	
C1402	1-126-105-11	ELECT 1000MF 20% 35V	
<CONNECTOR>			
CNJ23	*1-564-893-11	PLUG, CONNECTOR 4P	
CNJ242	*1-564-893-11	PLUG, CONNECTOR 4P	
<JACK>			
J1401	1-507-806-00	JACK	
<RESISTOR>			
R1401	1-247-708-11	METAL 470 5% 1/4W	
R1402	1-247-708-11	METAL 470 5% 1/4W	

*1-625-204-11	H8 BOARD	*****	
<CONNECTOR>			
CNH801	*1-564-896-11	PLUG, CONNECTOR 7P	
CNH803	*1-564-892-41	PLUG, CONNECTOR 3P	
<DIODE>			
D1401	8-719-915-45	DIODE SLP162B	
*4-387-801-01	HOLDER, LED; D1401		
D1402	8-719-915-45	DIODE SLP162B	
*4-387-801-01	HOLDER, LED; D1402		
D1403	8-719-915-45	DIODE SLP162B	
*4-387-801-01	HOLDER, LED; D1403		
D1404	8-719-915-45	DIODE SLP162B	
*4-387-801-01	HOLDER, LED; D1404		
<IC>			
IC1401	8-749-901-33	IC SBX1483-11	
<RESISTOR>			

H8

H7

KS

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1498	1-249-414-11	CARBON	560 5% 1/4W			<CONNECTOR>	
*****				CNK21	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P	
	*1-625-203-11	H7 BOARD	*****			<DIODE>	
		<CONNECTOR>		D205	8-719-110-04	DIODE RD7.5ES-B3	
CNH702*1-564-898-11	PLUG, CONNECTOR 9P			D206	8-719-110-04	DIODE RD7.5ES-B3	
CNH703*1-564-892-41	PLUG, CONNECTOR 3P					<IC>	
	<DIODE>			IC201	8-759-013-17	IC TDA6200	
D1405	8-719-812-41	DIODE TLR124				<RESISTOR>	
	4-359-103-00	HOLDER, LED; D1405		R204	1-249-435-11	CARBON	33K 5% 1/4W
	<SWITCH>			R205	1-249-435-11	CARBON	33K 5% 1/4W
S1401	1-571-085-21	SWITCH, TACTICLE		R206	1-249-423-11	CARBON	3.3K 5% 1/4W
S1402	1-571-085-21	SWITCH, TACTICLE		R207	1-249-423-11	CARBON	3.3K 5% 1/4W
S1403	1-571-085-21	SWITCH, TACTICLE		R208	1-249-431-11	CARBON	15K 5% 1/4W
S1404	1-571-085-21	SWITCH, TACTICLE		R209	1-249-433-11	CARBON	22K 5% 1/4W
S1405	1-571-085-21	SWITCH, TACTICLE		R210	1-249-431-11	CARBON	15K 5% 1/4W
S1406	1-571-085-21	SWITCH, TACTICLE		R211	1-249-441-11	CARBON	100K 5% 1/4W
S1407	1-571-085-21	SWITCH, TACTICLE		R212	1-249-433-11	CARBON	22K 5% 1/4W
S1408	1-571-085-21	SWITCH, TACTICLE		R213	1-249-431-11	CARBON	15K 5% 1/4W
S1409	1-571-085-21	SWITCH, TACTICLE		R214	1-249-417-11	CARBON	1K 5% 1/4W
S1410	1-571-085-21	SWITCH, TACTICLE		R215	1-249-433-11	CARBON	22K 5% 1/4W
S1411	1-571-085-21	SWITCH, TACTICLE		R216	1-249-433-11	CARBON	22K 5% 1/4W
S1412	1-571-085-21	SWITCH, TACTICLE		R217	1-249-431-11	CARBON	15K 5% 1/4W
S1414	1-571-085-21	SWITCH, TACTICLE		R218	1-249-417-11	CARBON	1K 5% 1/4W
*****				R219	1-249-429-11	CARBON	10K 5% 1/4W
	*1-625-206-11	KS BOARD	*****	R221	1-249-417-11	CARBON	1K 5% 1/4W
		<CAPACITOR>		R222	1-249-417-11	CARBON	1K 5% 1/4W
C202	1-124-902-00	ELECT	0.47MF 20% 50V	R225	1-249-417-11	CARBON	1K 5% 1/4W
C204	1-124-902-00	ELECT	0.47MF 20% 50V	R226	1-249-417-11	CARBON	1K 5% 1/4W
C213	1-126-233-11	ELECT	22MF 20% 50V	R227	1-249-417-11	CARBON	1K 5% 1/4W
C214	1-106-363-00	MYLAR	0.0068MF 10% 400V	R228	1-249-417-11	CARBON	1K 5% 1/4W
C217	1-106-363-00	MYLAR	0.0068MF 10% 400V	***** MISCELLANEOUS *****			
C218	1-106-375-12	MYLAR	0.022MF 10% 250V		1-503-642-41	SPEAKER	
C219	1-106-375-12	MYLAR	0.022MF 10% 250V	Δ 1-451-311-21	DEFLECTION YOKE (SY-178)		
C220	1-108-620-11	MYLAR	0.0033MF 10% 100V	1-452-032-00	MAGNET, DISK; 10MM ϕ		
C221	1-108-620-11	MYLAR	0.0033MF 10% 100V	1-452-094-00	MAGNET, DISK; 15MM ϕ		
C222	1-106-375-12	MYLAR	0.022MF 10% 250V	Δ 1-559-346-11	CORD, POWER (WITH CONNECTOR) (AEP ONLY)		
C223	1-106-375-12	MYLAR	0.022MF 10% 250V	Δ 1-559-912-12	CORD, POWER (WITH CONNECTOR) (AUS. ONLY)		
C224	1-106-367-00	MYLAR	0.01MF 10% 400V	L901 Δ 1-426-372-11	COIL, DEMAGNETIZATION		
C225	1-136-173-00	FILM	0.47MF 5% 50V	T802 Δ 1-439-416-11	TRANSFORMER ASSY, FLYBACK		
C226	1-136-173-00	FILM	0.47MF 5% 50V	V901 Δ 8-733-224-05	PICTURE TUBE (A59JWC60X) (AEP ONLY)		
C227	1-106-375-12	MYLAR	0.022MF 10% 250V	Δ 8-733-225-05	PICTURE TUBE (A59JWB10X) (AUS. ONLY)		
C228	1-106-379-12	MYLAR	0.033MF 10% 250V	***** ACCESSORIES AND PACKING MATERIALS *****			
C229	1-106-371-00	MYLAR	0.015MF 10% 400V				
C230	1-106-371-00	MYLAR	0.015MF 10% 400V	PART NO.	DESCRIPTION	REMARK	
C231	1-124-902-00	ELECT	0.47MF 20% 50V	A-1470-844-A	COMMANDER ASSY (RM-673)		
C232	1-123-875-11	ELECT	10MF 20% 50V	3-786-463-11	MANUAL, INSTRUCTION (FOR OTHERS)		
C233	1-102-114-00	CERAMIC	470PF 10% 50V	3-786-463-61	MANUAL, INSTRUCTION (FOR GERMANY)		
C234	1-102-114-00	CERAMIC	470PF 10% 50V	*4-366-617-01	BAG, PROTECTION		
C235	1-102-114-00	CERAMIC	470PF 10% 50V				
C236	1-102-114-00	CERAMIC	470PF 10% 50V	*4-387-259-01	INDIVIDUAL CARTON		
C237	1-124-902-00	ELECT	0.47MF 20% 50V	*4-387-261-01	CUSHION (LOWER)		
C238	1-102-978-00	CERAMIC	220PF 5% 50V	*4-387-262-01	CUSHION (UPPER ASSY)		
C239	1-126-103-11	ELECT	470MF 20% 16V				

Sony Corporation
TV Group

KV-C25TD
AM-673

SONY® **SERVICE MANUAL**

AEP Model
Australian Model

Chassis No. SCC-B14Q-A

SUPPLEMENT-1

SUBJECT: CIRCUIT MODIFICATION

File this supplement with the Service Manual.

1. INTRODUCTION

1. A Circuit board has been changed.
2. B Circuit board has been changed.
3. J1 Circuit board has been changed.

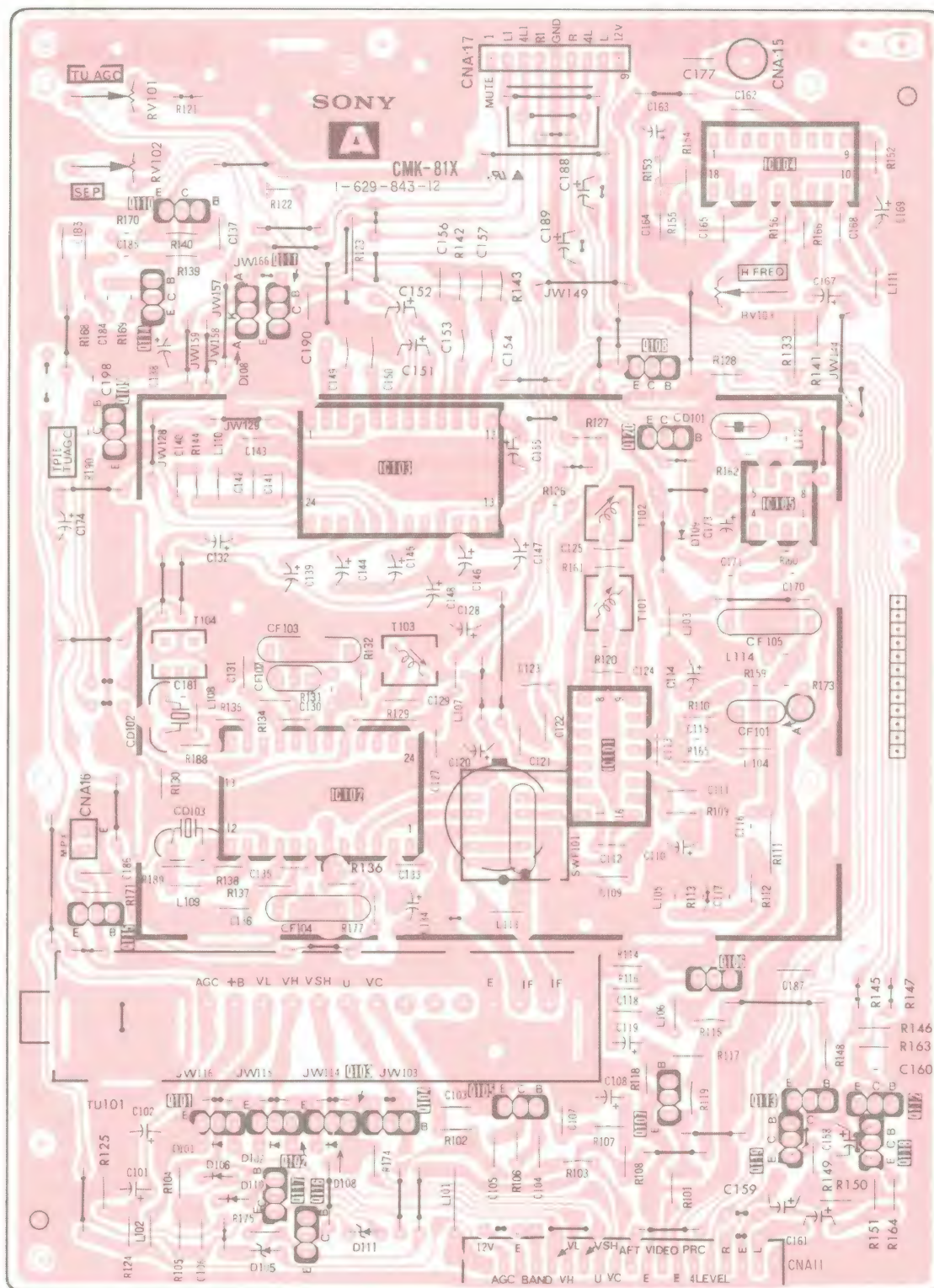


SECTION 5 DIAGRAMS

[SIGNAL TUNER, BAND SW]

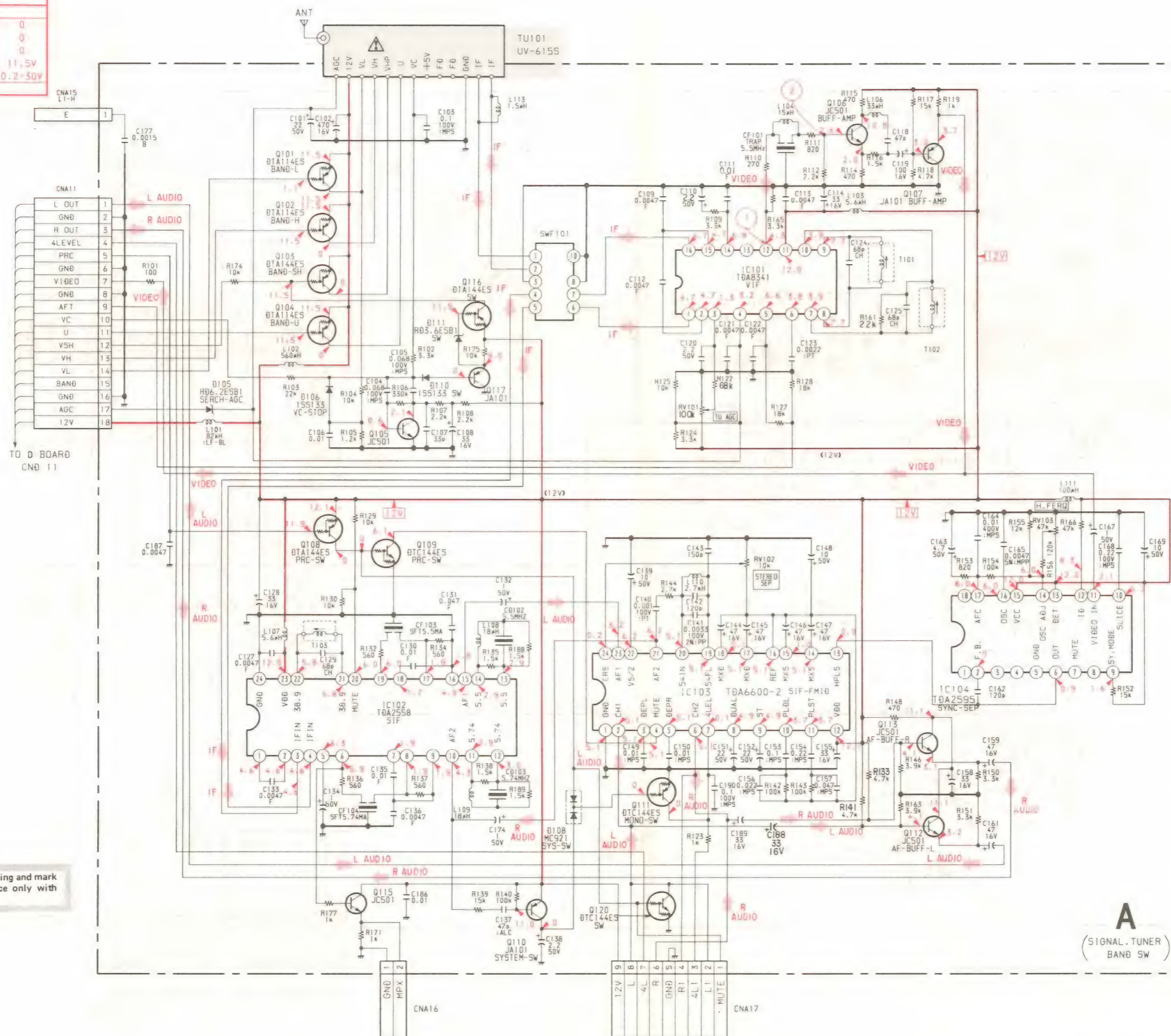
PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

—A Board—



KV-C25TD
RM-673KV-C25TD
RM-673

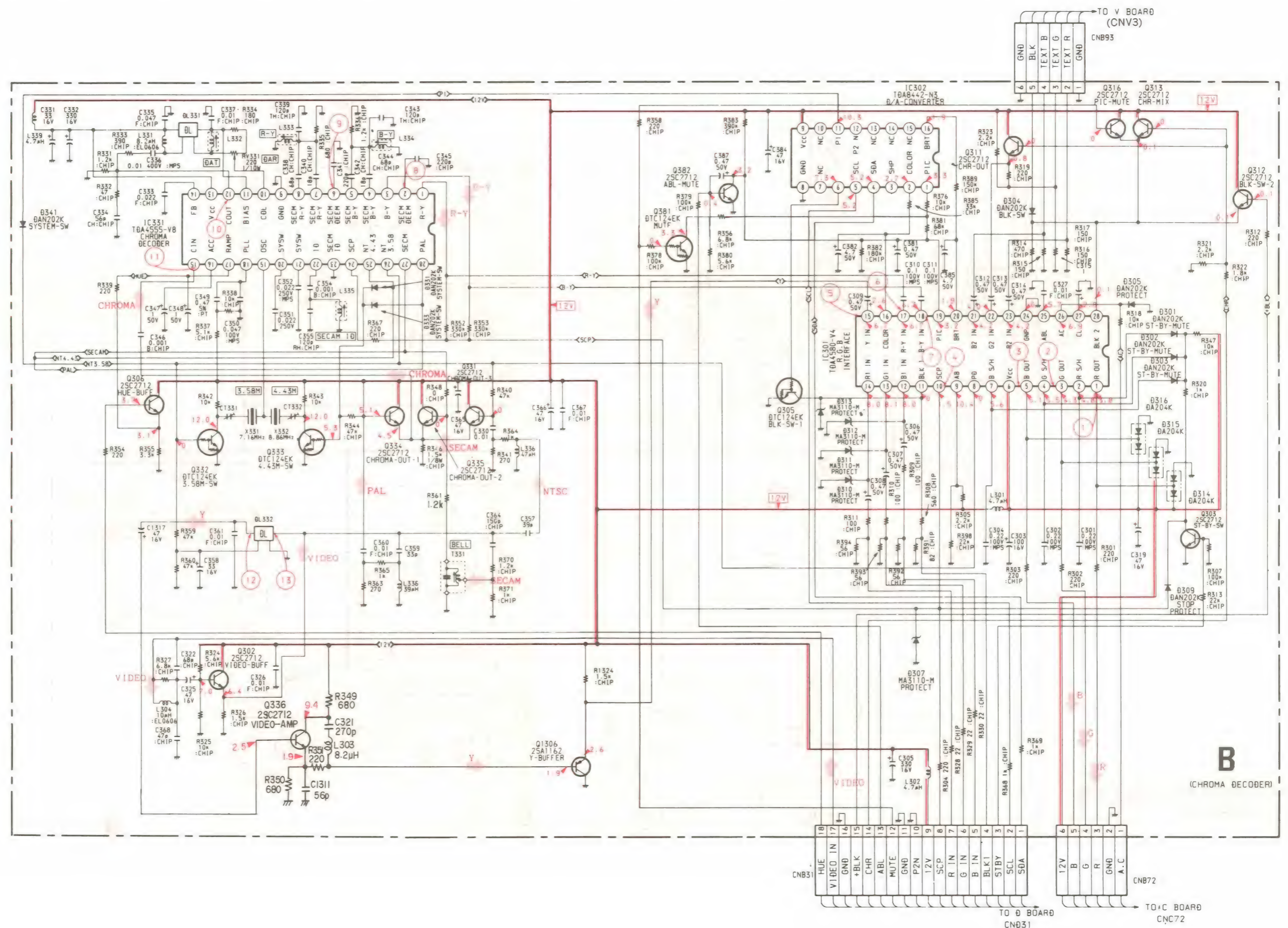
TU101	BAND	VHF LOW	VHF HIGH	UHF
AGC		6.1-9V		
VL		11.5V	0	0
VH		0	11.5	0
VHP		0	0	0
U		0	0	11.5V
VC		1.2-25V	0.5-30V	0.2-30V
*E		12V		



Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

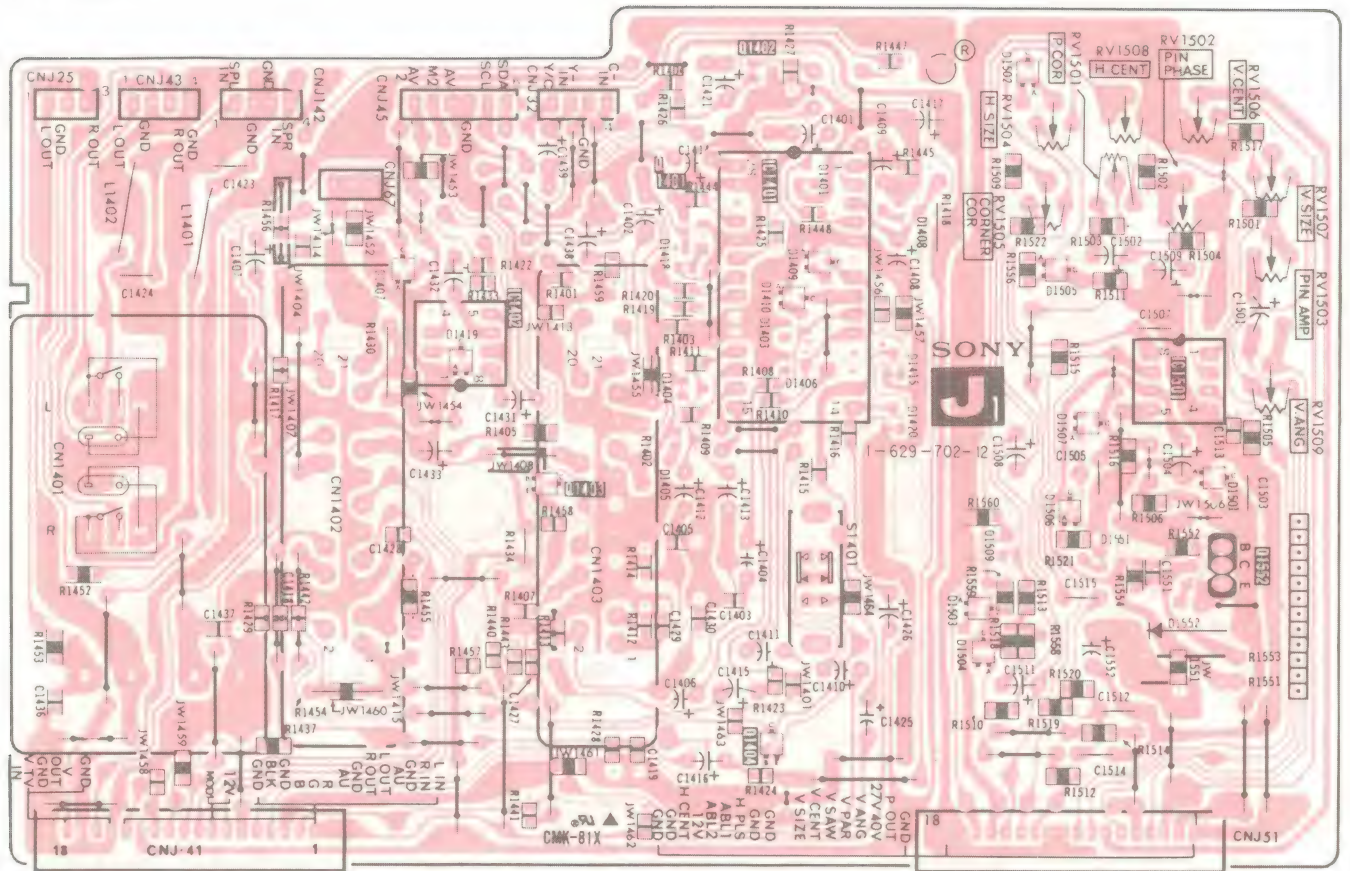
A
(SIGNAL, TUNER)
BAND SW

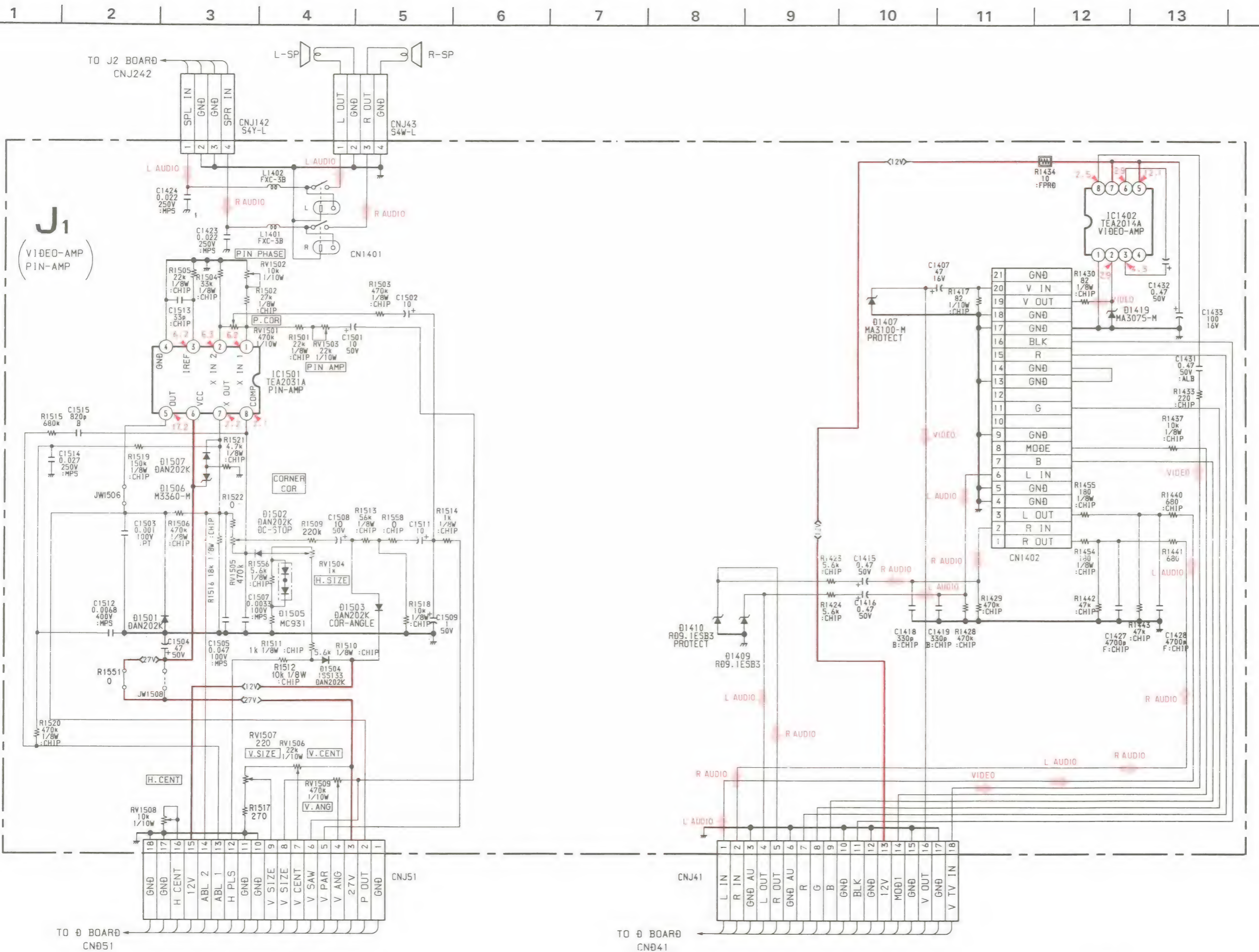
PIN NO.	PAL	SECAM	NTSC 3.58	NTSC 4.43
1	7.2	7.2	7.2	7.2
2	7.0	7.0	7.0	7.0
3	7.1	7.1	7.1	7.1
4	4.4	4.4	4.4	4.4
5	5.0	4.0	5.0	5.5
6	7.0	7.0	7.0	7.0
7	4.0	3.4	5.4	5.2
8	4.4	4.4	4.4	4.4
9	0	0	0	0
10	2.3	2.3	2.3	2.3
11	2.3	2.3	2.3	2.3
12	7.6	7.6	7.6	7.6
13	12.0	12.0	12.0	12.0
14	5.6	5.6	5.6	5.6
15	3.1	3.1	3.1	3.1
16	7.7	7.7	7.7	7.7
17	2.0	2.0	2.0	2.0
18	7.4	7.4	7.4	7.4
19	2.2	2.2	2.2	2.2
20	0	0	0	0
21	7.3	7.3	7.3	7.3
22	3.9	3.9	3.9	3.9
23	0	0	0	0
24	1.5	1.5	1.5	1.5
25	0	0	0	5.5
26	0	0	5.5	0
27	0	5.5	0	0
28	5.5	0	0	0



The image shows a complex electronic circuit board for a Sony KVM-X18 television. The board is populated with numerous integrated circuits, resistors, capacitors, and other electronic components. Key components include a 12V power supply section on the left, a video input section with CNB31, and a central processing area with various ICs like DL333, DL331, and CT331/332. The board is labeled with 'SONY' and 'KVM-X18' at the top. A large 'B' logo is visible in the bottom right corner. The layout is dense with components and includes various test points and connection points.

—J1 Board—





SECTION 7
ELECTRICAL PARTS LIST

A

A

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

NOTE:

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

• All resistors are in ohms
• F : nonflammable

CAPACITORS COILS
• MF : μ F, PF : μ F • MMH : mH, UH : μ H
• The components identified by Δ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
• * : Selected to yield optimum performance.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK							
*A-1296-569-A A BOARD, COMPLETE *****				C148	1-123-875-11	ELECT	10MF	20%	50V	L103	1-408-406-00	INDUCTOR	5.6UH	R137	1-249-419-11	CARBON	1.5K	5%	1/4W			
				C149	1-136-153-00	FILM	0.01MF	5%	50V	L104	1-408-411-00	INDUCTOR	15UH	R138	1-249-419-11	CARBON	15K	5%	1/4W			
*4-380-698-01 CASE (MAIN), SHIELD, A1				C150	1-136-153-00	FILM	0.01MF	5%	50V	L106	1-408-415-00	INDUCTOR	33UH	R139	1-249-431-11	CARBON	100K	5%	1/4W			
*4-380-699-01 CASE (UPPER LID), SHIELD, A1				C151	1-126-233-11	ELECT	22MF	20%	50V	L107	1-408-406-00	INDUCTOR	5.6UH	R140	1-249-441-11	CARBON						
*4-382-701-01 CASE (BOTTOM LID), SHIELD, A2				C152	1-126-233-11	ELECT	22MF	20%	50V	L108	1-408-412-00	INDUCTOR	18UH	R141	1-249-425-11	CARBON	4.7K	5%	1/4W			
				C153	1-136-165-00	FILM	0.1MF	5%	50V	L109	1-408-412-00	INDUCTOR	18UH	R142	1-249-441-11	CARBON	100K	5%	1/4W			
				C154	1-136-169-00	FILM	0.22MF	5%	50V	L110	1-410-064-11	INDUCTOR	2.7MMH	R143	1-249-441-11	CARBON	100K	5%	1/4W			
										L111	1-408-421-00	INDUCTOR	100UH	R144	1-249-422-11	CARBON	2.7K	5%	1/4W			
<CAPACITOR>										L113	1-408-399-00	INDUCTOR	1.5UH	R146	1-249-424-11	CARBON	3.9K	5%	1/4W			
C101	1-126-233-11	ELECT	22MF	20%	50V	C155	1-124-963-11	ELECT	33MF	20%	16V	<TRANSISTOR>										
C102	1-126-103-11	ELECT	470MF	20%	16V	C156	1-136-157-00	FILM	0.022MF	5%	50V	Q101	8-729-900-61	TRANSISTOR	DTA114ES							
C103	1-106-220-00	MYLAR	0.1MF	10%	100V	C157	1-136-161-00	FILM	0.047MF	5%	50V	Q102	8-729-900-61	TRANSISTOR	DTA114ES							
C104	1-106-216-00	MYLAR	0.068MF	10%	100V	C158	1-124-963-11	ELECT	33MF	20%	16V	Q103	8-729-900-61	TRANSISTOR	DTA114ES							
C105	1-106-216-00	MYLAR	0.068MF	10%	100V	C159	1-124-477-11	ELECT	47MF	20%	16V	Q104	8-729-900-61	TRANSISTOR	DTA114ES							
C106	1-101-004-00	CERAMIC	0.01MF		50V	C161	1-124-477-11	ELECT	47MF	20%	16V	Q105	8-729-119-78	TRANSISTOR	2SC2785-HFE							
C107	1-102-963-00	CERAMIC	33PF	5%	50V	C162	1-102-816-00	CERAMIC	120PF	5%	50V	Q106	8-729-119-78	TRANSISTOR	2SC2785-HFE							
C108	1-124-963-11	ELECT	33MF	20%	16V	C163	1-124-927-11	ELECT	4.7MF	20%	50V	Q107	8-729-173-38	TRANSISTOR	2SA733-K							
C109	1-101-003-00	CERAMIC	0.0047MF		50V	C164	1-106-367-00	MYLAR	0.01MF	10%	400V	Q108	8-729-900-65	TRANSISTOR	DTA144ES							
C110	1-124-925-11	ELECT	2.2MF	20%	50V	C165	1-136-287-11	FILM	0.0047MF	5%	50V	Q109	8-729-900-89	TRANSISTOR	DTC144ES							
C111	1-101-004-00	CERAMIC	0.01MF		50V	C167	1-124-791-11	ELECT	1MF	20%	50V	Q110	8-729-173-38	TRANSISTOR	2SA733-K							
C112	1-101-003-00	CERAMIC	0.0047MF		50V	C168	1-106-228-00	MYLAR	0.22MF	10%	100V	Q111	8-729-900-89	TRANSISTOR	DTC144ES							
C113	1-101-003-00	CERAMIC	0.0047MF		50V	C169	1-123-875-11	ELECT	10MF	20%	50V	Q112	8-729-119-78	TRANSISTOR	2SC2785-HFE							
C114	1-124-963-11	ELECT	33MF	20%	16V	C174	1-124-791-11	ELECT	1MF	20%	50V	Q113	8-729-119-78	TRANSISTOR	2SC2785-HFE							
C118	1-101-880-00	CERAMIC	47PF	5%	50V	C177	1-102-119-00	CERAMIC	0.0015MF	10%	50V	Q115	8-729-119-78	TRANSISTOR	2SC2785-HFE							
C119	1-126-101-11	ELECT	100MF	20%	16V	C186	1-101-004-00	CERAMIC	0.01MF		50V	Q116	8-729-900-65	TRANSISTOR	DTA144ES							
C120	1-124-925-11	ELECT	2.2MF	20%	50V	C187	1-101-003-00	CERAMIC	0.0047MF		50V	Q117	8-729-173-38	TRANSISTOR	2SA733-K							
C121	1-101-003-00	CERAMIC	0.0047MF		50V	C188	1-124-963-11	ELECT	33MF	20%	16V	Q120	8-729-900-89	TRANSISTOR	DTC144ES							
C122	1-101-003-00	CERAMIC	0.0047MF		50V	C189	1-124-963-11	ELECT	33MF	20%	16V	<VARIABLE RESISTOR>										
C123	1-106-351-00	MYLAR	0.0022MF	10%	100V	C190	1-106-220-00	MYLAR	0.1MF	10%	100V	RV101	1-237-754-11	RES, ADJ, CARBON	100K							
C124	1-101-888-00	CERAMIC	68PF	5%	50V	<FILTER>							RV102	1-237-751-11	RES, ADJ, CARBON	10K						
C125	1-101-888-00	CERAMIC	68PF	5%	50V	CD102	1-404-745-11	DISCRIMINATOR, CERAMIC				R101	1-249-405-11	CARBON	100	5%	1/4W					
C127	1-101-003-00	CERAMIC	0.0047MF		50V	CD103	1-404-746-11	DISCRIMINATOR, CERAMIC				R102	1-249-423-11	CARBON	3.3K	5%	1/4W					
C128	1-124-963-11	ELECT	33MF	20%	16V	CF101	1-404-134-00	TRAP, CERAMIC (5.5MHZ)				R103	1-249-433-11	CARBON	22K	5%	1/4W					
C129	1-101-888-00	CERAMIC	68PF	5%	50V	CF103	1-527-840-00	FILTER, CERAMIC				R104	1-249-429-11	CARBON	10K	5%	1/4W					
C130	1-101-004-00	CERAMIC	0.01MF		50V	CF104	1-527-839-00	FILTER, CERAMIC				R105	1-249-418-11	CARBON	1.2K	5%	1/4W					
C131	1-101-006-00	CERAMIC	0.047MF		50V	<CONNECTOR>							<TRANSFORMER>									
C132	1-124-791-11	ELECT	1MF	20%	50V	SWF101	1-577-254-11	SAWF				R106	1-247-891-00	CARBON	330K	5%	1/4W	T101	1-404-493-00	COIL		
C133	1-101-003-00	CERAMIC	0.0047MF		50V	<DIODE>							R107	1-249-421-11	CARBON	2.2K	5%	1/4W	T102	1-404-493-00	COIL	
C134	1-124-791-11	ELECT	1MF	20%	50V	CNA11	*1-566-659-11	CONNECTOR, HINGE (SOCKET) 18P				R108	1-249-421-11	CARBON	2.2K	5%	1/4W	T103	1-404-493-00	COIL		
C135	1-101-004-00	CERAMIC	0.01MF		50V	CNA16	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)				R109	1-249-423-11	CARBON	3.3K	5%	1/4W	<TUNER>				
C136	1-101-006-00	CERAMIC	0.047MF		50V	CNA17	*1-564-886-21	PLUG, CONNECTOR 9P				R110	1-249-410-11	CARBON	270	5%	1/4W	TU101A	1-465-053-11	TUNER, ET (UV-615S)		
C137	1-101-880-00	CERAMIC	47PF	5%	50V	<TRANSISTOR>							R111	1-249-416-11	CARBON	820	5%	1/4W				
C138	1-124-925-11	ELECT	2.2MF	20%	50V	<CAPACITOR>							R112	1-249-421-11	CARBON	2.2K	5%	1/4W				
C139	1-123-875-11	ELECT	10MF	20%	50V	<DIODE>							R114	1-249-413-11	CARBON	470	5%	1/4W				
C140	1-108-614-11	MYLAR	0.001MF	10%	100V	D105	8-719-109-92	DIODE RD6.2ES-B1				R115	1-249-413-11	CARBON	470	5%	1/4W					
C141	1-136-298-00	FILM	0.0033MF	2%	100V	D106	8-719-911-19	DIODE 1SS119				R116	1-249-419-11	CARBON	1.5K	5%	1/4W					
C142	1-102-816-00	CERAMIC	120PF	5%	50V	D108	8-719-000-06	DIODE MC921				R117	1-249-431-11	CARBON	15K	5%	1/4W					
C143	1-101-361-00	CERAMIC	150PF	5%	50V	D110	8-719-911-19	DIODE 1SS119				R118	1-249-425-11	CARBON	4.7K	5%	1/4W					
C144	1-124-477-11	ELECT	47MF	20%	16V	D111	8-719-109-68	DIODE RD3.6ES-B1				R119	1-249-417-11	CARBON	1K	5%	1/4W					
C145	1-124-477-11	ELECT	47MF	20%	16V	<TRANSISTOR>							R122	1-249-439-11	CARBON	68K	5%	1/4W				
C146	1-124-477-11	ELECT	47MF	20%	16V	<CAPACITOR>							R123	1-249-417-11	CARBON	1K	5%	1/4W				
C147	1-124-477-11	ELECT	47MF	20%	16V	<DIODE>							R124	1-249-423-11	CARBON	3.3K	5%	1/4W				

B

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
*A-1135-598-A B BOARD, COMPLETE *****							
<CAPACITOR>							
C301	1-106-228-00	MYLAR 0.22MF	10% 100V	C357	1-163-107-00	CERAMIC CHIP 39PF	5% 50V
C302	1-106-228-00	MYLAR 0.22MF	10% 100V	C358	1-124-963-11	ELECT 33MF	20% 16V
C303	1-126-101-11	ELECT 100MF	20% 16V	C359	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C304	1-106-228-00	MYLAR 0.22MF	10% 100V	C360	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C305	1-124-119-00	ELECT 330MF	20% 16V	C361	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C306	1-124-902-00	ELECT 0.47MF	20% 50V	C364	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C307	1-124-902-00	ELECT 0.47MF	20% 50V	C365	1-124-477-11	ELECT 47MF	20% 16V
C308	1-124-902-00	ELECT 0.47MF	20% 50V	C366	1-124-477-11	ELECT 47MF	20% 16V
C309	1-124-902-00	ELECT 0.47MF	20% 50V	C367	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C310	1-106-220-00	MYLAR 0.1MF	10% 100V	C368	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C311	1-106-220-00	MYLAR 0.1MF	10% 100V	C381	1-124-902-00	ELECT 0.47MF	20% 50V
C312	1-124-902-00	ELECT 0.47MF	20% 50V	C382	1-124-927-11	ELECT 4.7MF	20% 50V
C313	1-124-902-00	ELECT 0.47MF	20% 50V	C384	1-124-477-11	ELECT 47MF	20% 16V
C314	1-124-902-00	ELECT 0.47MF	20% 50V	C385	1-124-927-11	ELECT 4.7MF	20% 50V
C315	1-124-791-11	ELECT 1MF	20% 50V	C387	1-124-902-00	ELECT 0.47MF	20% 50V
C319	1-124-477-11	ELECT 47MF	20% 16V	C1311	1-163-111-00	CERAMIC CHIP 56PF	5% 50V
C321	1-163-127-00	CERAMIC CHIP 270PF	5% 50V	<CONNECTOR>			
C322	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	CNB31	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P	
C325	1-124-477-11	ELECT 47MF	20% 16V	CNB72	*1-564-895-11	PLUG, CONNECTOR 6P	
C326	1-164-232-11	CERAMIC CHIP 0.01MF	50V	CNB93	*1-560-278-41	PLUG, CONNECTOR 6P	
C327	1-164-232-11	CERAMIC CHIP 0.01MF	50V	<TRIMMER>			
C330	1-164-232-11	CERAMIC CHIP 0.01MF	50V	CT331	1-141-181-11	CAP, TRIMMER	
C331	1-124-963-11	ELECT 33MF	20% 16V	CT332	1-141-181-11	CAP, TRIMMER	
C332	1-124-119-00	ELECT 330MF	20% 16V	<DIODE>			
C333	1-163-033-00	CERAMIC CHIP 0.022MF	50V	D301	8-719-400-18	DIODE MA152WK	
C334	1-163-111-00	CERAMIC CHIP 56PF	5% 50V	D302	8-719-400-18	DIODE MA152WK	
C335	1-163-035-00	CERAMIC CHIP 0.047MF	50V	D303	8-719-400-18	DIODE MA152WK	
C336	1-106-367-00	MYLAR 0.01MF	10% 400V	D304	8-719-400-18	DIODE MA152WK	
C337	1-164-232-11	CERAMIC CHIP 0.01MF	50V	D305	8-719-400-18	DIODE MA152WK	
C338	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	D307	8-719-106-62	DIODE RD11M-B2	
C339	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	D309	8-719-400-18	DIODE MA152WK	
C340	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	D310	8-719-106-62	DIODE RD11M-B2	
C341	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	D311	8-719-106-62	DIODE RD11M-B2	
C342	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	D312	8-719-106-62	DIODE RD11M-B2	
C343	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	D313	8-719-106-62	DIODE RD11M-B2	
C344	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	D314	8-719-800-76	DIODE 1SS226	
C345	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	D315	8-719-800-76	DIODE 1SS226	
C346	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D316	8-719-800-76	DIODE 1SS226	
C347	1-124-791-11	ELECT 1MF	20% 50V	D331	8-719-400-18	DIODE MA152WK	
C348	1-124-791-11	ELECT 1MF	20% 50V	D333	8-719-400-18	DIODE MA152WK	
C349	1-136-173-00	FILM 0.47MF	5% 50V	D341	8-719-400-18	DIODE MA152WK	
C350	1-106-383-00	MYLAR 0.047MF	10% 100V	<DELAY LINE>			
C351	1-106-375-12	MYLAR 0.022MF	10% 250V	DL331	1-415-122-00	DELAY LINE	
C352	1-106-375-12	MYLAR 0.022MF	10% 250V				
C354	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V				
C355	1-163-119-00	CERAMIC CHIP 120PF	5% 50V				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
DL332	1-236-062-11	MODULE, Y DELAY LINE		JW1316	1-216-296-00	METAL GLAZE 0 5% 1/8W	
<IC>				JW1319	1-216-295-00	METAL GLAZE 0 5% 1/10W	
IC301	8-759-979-85	IC TDA4580-V4		JW1320	1-216-295-00	METAL GLAZE 0 5% 1/10W	
IC302	8-759-980-60	IC TDA8442-N3		R301	1-216-033-00	METAL GLAZE 220 5% 1/10W	
IC331	8-759-947-20	IC TDA4555-V8		R302	1-216-033-00	METAL GLAZE 220 5% 1/10W	
<COIL>				R303	1-216-033-00	METAL GLAZE 220 5% 1/10W	
L301	1-410-868-21	INDUCTOR 4.7UH		R304	1-216-033-00	METAL GLAZE 220 5% 1/10W	
L302	1-410-868-21	INDUCTOR 4.7UH		R305	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
L303	1-408-408-00	INDUCTOR 8.2UH		R307	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
L304	1-408-409-00	INDUCTOR 10UH		R308	1-216-043-00	METAL GLAZE 560 5% 1/10W	
L331	1-408-408-00	INDUCTOR 8.2UH		R309	1-216-025-00	METAL GLAZE 100 5% 1/10W	
L332	1-404-539-11	COIL		R310	1-216-025-00	METAL GLAZE 100 5% 1/10W	
L333	1-404-554-11	COIL		R311	1-216-025-00	METAL GLAZE 100 5% 1/10W	
L334	1-404-554-11	COIL		R312	1-216-033-00	METAL GLAZE 220 5% 1/10W	
L335	1-404-554-11	COIL		R313	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
L336	1-408-417-00	INDUCTOR 47UH		R314	1-216-041-00	METAL GLAZE 470 5% 1/10W	
L338	1-408-416-00	INDUCTOR 39UH		R315	1-216-029-00	METAL GLAZE 150 5% 1/10W	
L339	1-410-868-21	INDUCTOR 4.7UH		R316	1-216-029-00	METAL GLAZE 150 5% 1/10W	
<TRANSISTOR>				R317	1-216-029-00	METAL GLAZE 150 5% 1/10W	
Q302	8-729-271-22	TRANSISTOR 2SC2712-G		R318	1-216-222-00	METAL GLAZE 10K 5% 1/8W	
Q303	8-729-271-22	TRANSISTOR 2SC2712-G		R319	1-216-033-00	METAL GLAZE 220 5% 1/10W	
Q305	8-729-901-00	TRANSISTOR DTC124EK		R320	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
Q306	8-729-271-22	TRANSISTOR 2SC2712-G		R321	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
Q311	8-729-271-22	TRANSISTOR 2SC2712-G		R322	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
Q312	8-729-271-22	TRANSISTOR 2SC2712-G		R323	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
Q313	8-729-271-22	TRANSISTOR 2SC2712-G		R324	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
Q316	8-729-271-22	TRANSISTOR 2SC2712-G		R325	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
Q331	8-729-271-22	TRANSISTOR 2SC2712-G		R326	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
Q332	8-729-901-00	TRANSISTOR DTC124EK		R327	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
Q333	8-729-901-00	TRANSISTOR DTC124EK		R328	1-216-009-00	METAL GLAZE 22 5% 1/10W	
Q334	8-729-271-22	TRANSISTOR 2SC2712-G		R329	1-216-009-00	METAL GLAZE 22 5% 1/10W	
Q335	8-729-271-22	TRANSISTOR 2SC2712-G		R330	1-216-009-00	METAL GLAZE 22 5% 1/10W	
Q336	8-729-271-22	TRANSISTOR 2SC2712-G		R331	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
Q381	8-729-901-00	TRANSISTOR DTC124EK		R332	1-216-017-00	METAL GLAZE 47 5% 1/10W	
Q382	8-729-271-22	TRANSISTOR 2SC2712-G		R333	1-216-039-00	METAL GLAZE 390 5% 1/10W	
Q1306	8-729-216-22	TRANSISTOR 2SA1162-G		R334	1-216-031-00	METAL GLAZE 180 5% 1/10W	
<RESISTOR>				R335	1-216-045-00	METAL GLAZE 680 5% 1/10W	
JW303	1-216-295-00	METAL GLAZE 0 5% 1/10W		R336	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
JW305	1-216-295-00	METAL GLAZE 0 5% 1/10W		R337	1-216-066-00	METAL GLAZE 5.1K 5% 1/10W	
JW306	1-216-295-00	METAL GLAZE 0 5% 1/10W		R338	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JW307	1-216-295-00	METAL GLAZE 0 5% 1/10W		R339	1-216-033-00	METAL GLAZE 220 5% 1/10W	
JW1301	1-216-296-00	METAL GLAZE 0 5% 1/8W		R340	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
JW1302	1-216-296-00	METAL GLAZE 0 5% 1/8W		R341	1-216-035-00	METAL GLAZE 270 5% 1/10W	
JW1303	1-216-295-00	METAL GLAZE 0 5% 1/10W		R342	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JW1304	1-216-295-00	METAL GLAZE 0 5% 1/10W		R343	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JW1305	1-216-296-00	METAL GLAZE 0 5% 1/8W		R344	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
JW1306	1-216-296-00	METAL GLAZE 0 5% 1/8W		R346	1-216-202-00	METAL GLAZE 1.5K 5% 1/8W	
JW1307	1-216-295-00	METAL GLAZE 0 5% 1/10W		R347	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
JW1308	1-216-296-00	METAL GLAZE 0 5% 1/8W		R348	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
JW1309	1-216-296-00	METAL GLAZE 0 5% 1/8W		R349	1-216-045-00	METAL GLAZE 680 5% 1/10W	
JW1310	1-216-296-00	METAL GLAZE 0 5% 1/8W		R350	1-216-045-00	METAL GLAZE 680 5% 1/10W	
JW1311	1-216-295-00	METAL GLAZE 0 5% 1/10W		R351	1-216-033-00	METAL GLAZE 220 5% 1/10W	
JW1312	1-216-295-00	METAL GLAZE 0 5% 1/10W		R352	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
JW1313	1-216-295-00	METAL GLAZE 0 5% 1/10W		R353	1-216-109-00	METAL GLAZE 330K 5% 1/10W	
JW1314	1-216-296-00	METAL GLAZE 0 5% 1/8W		R354	1-216-033-00	METAL GLAZE 220 5% 1/10W	
JW1315	1-216-295-00	METAL GLAZE 0 5% 1/10W		R355	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
				R356	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
				R358	1-216-033-00	METAL GLAZE 220 5% 1/10W	
				R359	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
				R360	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
				R361	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
				R363	1-216-035-00	METAL GLAZE 270 5% 1/10W	
				R364	1-216-049-00	METAL GLAZE 1K 5% 1/10W	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R365	1-216-049-00	METAL GLAZE 1K 5%	1/10W	*A-1371-578-A J1 BOARD, COMPLETE *****			
R367	1-216-033-00	METAL GLAZE 220 5%	1/10W	<CAPACITOR>			
R368	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C1407	1-124-477-11	ELECT 47MF	20% 16V
R369	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C1415	1-106-383-00	MYLAR 0.047MF	10% 100V
R370	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	C1416	1-106-383-00	MYLAR 0.047MF	10% 100V
R371	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C1418	1-163-003-11	CERAMIC CHIP 330PF	10% 50V
R376	1-216-073-00	METAL GLAZE 10K 5%	1/10W	C1419	1-163-003-11	CERAMIC CHIP 330PF	10% 50V
R378	1-216-097-00	METAL GLAZE 100K 5%	1/10W	C1423	1-106-375-12	MYLAR 0.022MF	10% 250V
R379	1-216-097-00	METAL GLAZE 100K 5%	1/10W	C1424	1-106-375-12	MYLAR 0.022MF	10% 250V
R380	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W	C1427	1-136-017-00	CERAMIC CHIP 0.0047MF	50V
R381	1-216-093-00	METAL GLAZE 68K 5%	1/10W	C1428	1-136-017-00	CERAMIC CHIP 0.0047MF	50V
R382	1-216-103-00	METAL GLAZE 180K 5%	1/10W	C1431	1-124-902-00	ELECT 0.47MF	20% 50V
R383	1-216-111-00	METAL GLAZE 390K 5%	1/10W	C1432	1-124-902-00	ELECT 0.47MF	20% 50V
R385	1-216-085-00	METAL GLAZE 33K 5%	1/10W	C1433	1-126-101-11	ELECT 100MF	20% 16V
R389	1-216-101-00	METAL GLAZE 150K 5%	1/10W	C1501	1-123-875-11	ELECT 10MF	20% 50V
R390	1-216-045-00	METAL GLAZE 680 5%	1/10W	C1502	1-123-875-11	ELECT 10MF	20% 50V
R391	1-216-023-00	METAL GLAZE 82 5%	1/10W	C1503	1-108-614-11	MYLAR 0.001MF	10% 100V
R392	1-216-019-00	METAL GLAZE 56 5%	1/10W	C1504	1-124-910-11	ELECT 47MF	20% 50V
R393	1-216-019-00	METAL GLAZE 56 5%	1/10W	C1505	1-106-383-00	MYLAR 0.047MF	10% 100V
R394	1-216-019-00	METAL GLAZE 56 5%	1/10W	C1507	1-108-620-11	MYLAR 0.0033MF	10% 100V
R398	1-216-081-00	METAL GLAZE 22K 5%	1/10W	C1508	1-123-875-11	ELECT 10MF	20% 50V
R1324	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	C1509	1-124-791-11	ELECT 1MF	20% 50V
R1390	1-216-045-00	METAL GLAZE 680 5%	1/10W	C1511	1-123-875-11	ELECT 10MF	20% 50V
<VARIABLE RESISTOR>				C1512	1-106-363-00	MYLAR 0.0068MF	10% 400V
RV331	1-238-009-11	RES, ADJ, CARBON 220		C1513	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
<TRANSFORMER>				C1514	1-106-353-00	MYLAR 0.027MF	10% 250V
T331	1-404-584-11	COIL		C1515	1-102-117-00	CERAMIC 820PF	10% 50V
<CRYSTAL>				<CONNECTOR>			
X331	1-567-307-11	OSCILLATOR, CRYSTAL		CN1401	1-537-088-11	TERMINAL BOARD, INPUT/OUTPUT	
X332	1-567-131-00	OSCILLATOR, CRYSTAL		CN1402	1-561-534-41	SOCKET 21P	
				CNJ41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P	
				CNJ43	*1-564-893-11	PLUG, CONNECTOR 4P	
				CNJ51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P	
				CNJ142	*1-564-893-11	PLUG, CONNECTOR 4P	
				<DIODE>			
				D1407	8-719-106-53	DIODE RD10M-B2	
				D1409	8-719-106-44	DIODE RD9.1M-B2	
				D1410	8-719-106-44	DIODE RD9.1M-B2	
				D1419	8-719-106-23	DIODE RD7.5M-B2	
				D1501	8-719-400-18	DIODE MA152WK	
				D1502	8-719-400-18	DIODE MA152WK	
				D1503	8-719-400-18	DIODE MA152WK	
				D1504	8-719-400-18	DIODE MA152WK	
				D1505	8-719-800-76	DIODE 1SS226	
				D1506	8-719-118-15	DIODE RD36M-B	

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REF.NO. PART NO. DESCRIPTION

D1507 8-719-400-18 DIODE MA152WK

<IC>

IC1402 8-759-946-32 IC TEA2014A

IC1501 8-759-942-16 IC TEA2031A

<COIL>

L1401 1-412-240-11 INDUCTOR, WIDE BAND

L1402 1-412-240-11 INDUCTOR, WIDE BAND

<RESISTOR>

JW1401 1-216-295-00 METAL GLAZE 0 5% 1/10W
 JW1404 1-216-295-00 METAL GLAZE 0 5% 1/10W
 JW1452 1-216-296-00 METAL GLAZE 0 5% 1/8W
 JW1453 1-216-296-00 METAL GLAZE 0 5% 1/8W
 JW1456 1-216-295-00 METAL GLAZE 0 5% 1/10W

JW1457 1-216-296-00 METAL GLAZE 0 5% 1/8W
 JW1458 1-216-295-00 METAL GLAZE 0 5% 1/10W
 JW1459 1-216-296-00 METAL GLAZE 0 5% 1/8W
 JW1461 1-216-296-00 METAL GLAZE 0 5% 1/8W
 JW1463 1-216-295-00 METAL GLAZE 0 5% 1/10W

R1417 1-216-023-00 METAL GLAZE 82 5% 1/10W
 R1423 1-216-067-00 METAL GLAZE 5.6K 5% 1/10W
 R1424 1-216-067-00 METAL GLAZE 5.6K 5% 1/10W
 R1428 1-216-113-00 METAL GLAZE 470K 5% 1/10W
 R1429 1-216-113-00 METAL GLAZE 470K 5% 1/10W

R1430 1-216-172-00 METAL GLAZE 82 5% 1/8W
 R1433 1-216-033-00 METAL GLAZE 220 5% 1/10W
 R1434 1-249-393-11 CARBON 10 5% 1/4W F
 R1437 1-216-222-00 METAL GLAZE 10K 5% 1/8W
 R1440 1-216-045-00 METAL GLAZE 680 5% 1/10W

R1441 1-216-045-00 METAL GLAZE 680 5% 1/10W
 R1442 1-216-089-00 METAL GLAZE 47K 5% 1/10W
 R1443 1-216-089-00 METAL GLAZE 47K 5% 1/10W
 R1454 1-216-180-00 METAL GLAZE 180 5% 1/8W
 R1455 1-216-180-00 METAL GLAZE 180 5% 1/8W

R1501 1-216-230-00 METAL GLAZE 22K 5% 1/8W
 R1502 1-216-232-00 METAL GLAZE 27K 5% 1/8W
 R1503 1-216-262-00 METAL GLAZE 470K 5% 1/8W
 R1504 1-216-234-00 METAL GLAZE 33K 5% 1/8W
 R1505 1-216-230-00 METAL GLAZE 22K 5% 1/8W

R1506 1-216-262-00 METAL GLAZE 470K 5% 1/8W
 R1509 1-216-254-00 METAL GLAZE 220K 5% 1/8W
 R1510 1-216-216-00 METAL GLAZE 5.6K 5% 1/8W
 R1511 1-216-198-00 METAL GLAZE 1K 5% 1/8W
 R1512 1-216-222-00 METAL GLAZE 10K 5% 1/8W

R1513 1-216-240-00 METAL GLAZE 56K 5% 1/8W

REMARK

REF.NO. PART NO. DESCRIPTION

REMARK

R1514 1-216-198-00 METAL GLAZE 1K 5% 1/8W
 R1515 1-216-266-00 METAL GLAZE 680K 5% 1/8W
 R1516 1-216-228-00 METAL GLAZE 18K 5% 1/8W
 R1517 1-216-184-00 METAL GLAZE 270 5% 1/8W
 R1518 1-216-222-00 METAL GLAZE 10K 5% 1/8W

R1519 1-216-250-00 METAL GLAZE 150K 5% 1/8W
 R1520 1-216-262-00 METAL GLAZE 470K 5% 1/8W
 R1521 1-216-214-00 METAL GLAZE 4.7K 5% 1/8W
 R1522 1-216-296-00 METAL GLAZE 0 5% 1/8W
 R1556 1-216-216-00 METAL GLAZE 5.6K 5% 1/8W

R1558 1-216-296-00 METAL GLAZE 0 5% 1/8W

<VARIABLE RESISTOR>

RV1501 1-238-023-11 RES, ADJ, CARBON 470K
 RV1502 1-228-994-00 RES, ADJ, CARBON 10K
 RV1503 1-238-017-11 RES, ADJ, CARBON 22K
 RV1504 1-238-012-11 RES, ADJ, CARBON 1K
 RV1505 1-238-023-11 RES, ADJ, CARBON 470K

RV1506 1-238-017-11 RES, ADJ, CARBON 22K
 RV1507 1-238-009-11 RES, ADJ, CARBON 220
 RV1508 1-238-016-11 RES, ADJ, CARBON 10K
 RV1509 1-238-023-11 RES, ADJ, CARBON 470K